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UNIVERSITY OF ALBERTA

folio

Volume 39 Issue 2

SEPTEMBER 21, 2001

<http://www.ualberta.ca/folio>

Trying to make sense of it all

Scholars, audience, ponder effects and aftermath of terrorist attacks

By Gilbert A. Bouchard

Paraphrasing an old REM pop song, Tsvi Kahana believes the world as we knew it ended on September 11 after the terrorist attack on the United States. This assertion immediately begs the question, 'what kind of new world did we wake up to on September 12?' says Kahana, executive director of the University of Alberta Centre for Constitutional Study.

Kahana made his comments while moderating an energetic panel discussion comprised of leading political scientists and international law and human rights experts. Staged before a capacity audience at the Telus Centre auditorium, the discussion addressed global legal and security issues in the aftermath of the attacks on America.

"We know we woke up to a different world, which is why we used the title of the REM song for this discussion (*It's the End of the World as We Know It*) and why we ended our title with a question mark," says Kahana.

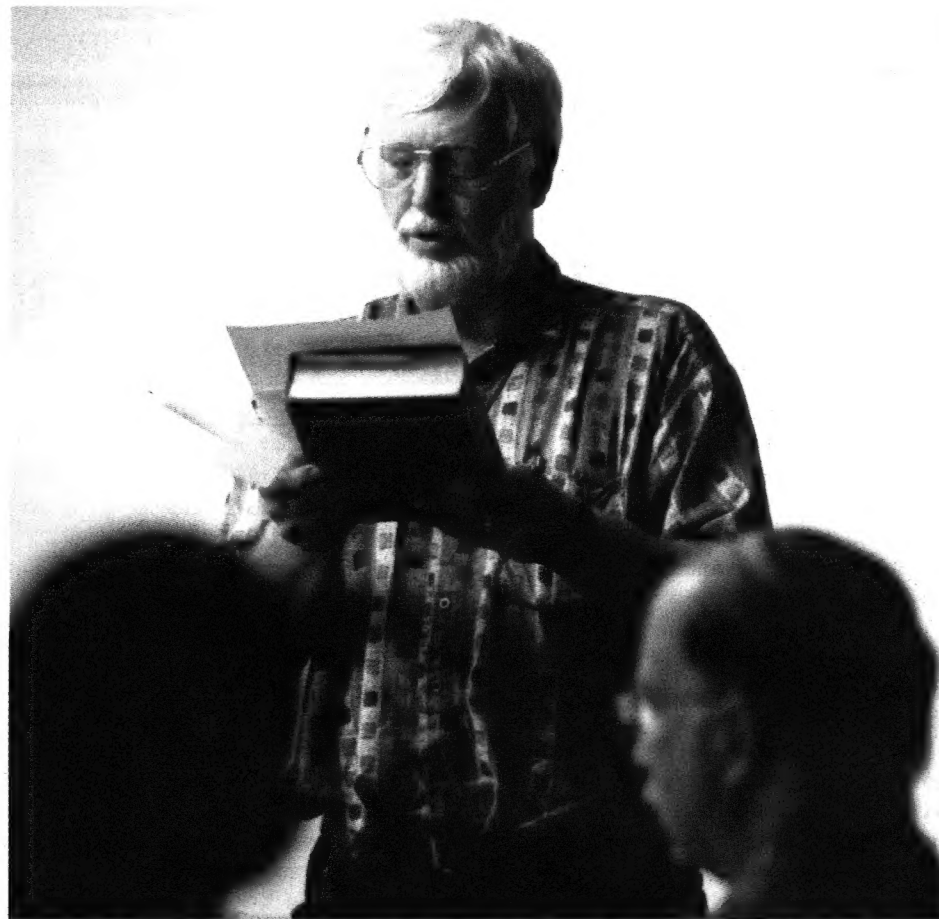
"In the old world terrorism was in other places and globalism was about trade, but in the new world, we now know that if terrorism can make it in New York, it can make it anywhere."

The panel discussion was one of many events, including prayer services and vigils, that arose on and around campus in the wake of the terrorist bombings.

Perhaps the biggest change faced by the world in the aftermath of the U.S. attack is the realization that the face of terrorism has been completely inverted, says Dr. Leslie Green, a U of A professor emeritus of political science who has served as an advisor on terrorism to industrialized nations.

"The essential feature used to be that terrorism was one group or nation that was held hostage to secure concessions for another group – that has all changed," said Green, who argued that this transformation has been years in the making.

The new face of terrorism is more about attacking the West's global influence on a political, cultural and religious level, by groups who aren't necessarily making specific demands or trying to



Students, faculty and staff gathered in prayer for the victims of terrorist attacks in the U.S., at an interdenominational service.

secure concessions. And Green predicts that we haven't seen the last of such large-scale strikes.

"These attacks are going to be more disruptive, more expansive and will take place any time, any place," he said, noting that North Americans will have to get used to more security measures and restrictions on personal freedoms.

"We need to remember that changes to global transportation opened up this threat."

Dr. Judith Garber, an American-born political science professor at the U of A, questioned if there has been any radical change in public opinion after the attack, and foresees the continuation of a static American political discourse that began

during the Reagan administration of the 1980s.

"Americans have little patience for complicated problems like this that need long-term, discomforting solutions," Garber said, adding that public opinion is too easily twisted by shallow media representations. "It's going to be hard to work through this conflict because there will be no immediate gratification."

U of A political science professor Thomas Keating also expressed a harsh assessment of the media's coverage of the attack, calling it "abhorrent."

"Just turn off your TV, there is nothing for you there," he said. "The scale and nature of this attack is unique, but it's been going on for a long, long time."

The challenge facing the international community in the wake of this terrorist action is how to bring suspected terrorists and their supporters to justice without needlessly punishing entire communities or nations. "We need to measure our response realizing we can minimize terrorism, but not eliminate it".

In the end, Keating believes that western governments should address the terrorist threat with a combination of military action and invocation of international law, noting that the Nuremberg Trials could not have happened in 1941, but needed to wait until military action had been taken against the Nazi regime.

Just as there was not immediate agreement among panel members on core issues, the audience proved even more polarized. Questions and comments were wide-ranging. There were even impassioned pleas for international world summits, and there were calls for immediate and significant military action (the latter speakers citing both Machiavelli and the movie *Independence Day* to make their militarist cases).

Some speakers had more pin-point questions about the impact of the terrorist actions on everything from anti-globalist demonstrations to the legality of potential U.S. military actions, to fears about further violent retribution if suspected terrorist leaders are arrested or killed.

Linda Reif, a U of A professor of law specializing in international law and human rights, said choices will have to be made as to how to charge and try suspected terrorists: under domestic or international law or international law? As mass murderers (or accessories) or for crime against humanity? She underlined that while international law "always comes wrapped in politics and economics," the idea of justified self-defense in the international realm hinges on the idea of proportionality.

"You're supposed to be acting in proportion to the threat against you – going after the terrorist organizations, for example, but not targeting the general population." ■

Faculté Saint-Jean sparks Canadian Studies lecture series

John Ralston Saul leads off stellar line up

By Richard Cairney

Faculté Saint-Jean is preparing to launch its first-ever lecture series on Canadian Studies.

And with a line up this year that includes celebrated author John Ralston Saul, Bombardier Inc. chairman and CEO Laurent Beaudoin, historian Gerard Bouchard and the Faculté's own director Claude Couture, a high standard has been set for future series to match.

"Our role is one of connecting Canadians – we can connect young students from across the country to come study at Faculté Saint-Jean," said Claudette Tardif, the Faculté's dean. "We connect French speakers from Quebec coming to study in Alberta and English speakers from the West coming to study in French."

The speakers will share that job, she adds.

John Ralston Saul will present the headline lecture in the series, which is formally titled The Louis Desrochers Lecture Series and Business Luncheon. Saul, who speaks at the Myer Horowitz Theatre at 7:30 p.m. Sept. 24, is the founder of French for the Future and best known for his writings on Canada.

The internationally renowned essayist and novelist sparked a national debate about Canada's dual French-English nature with the 1997 publication of *Reflections of a Siamese Twin*, for which he earned his second prestigious Gordon Montador Award.

"He talks about the importance, I think, of Canada as a nation," said Tardif. "He attempts to make us think differently about what we think we know. He can be very provocative – he has always taken an interesting perspective on corporate life and public life, and he questions how one's motive impinges on the rights of the other."

Tardif said a business luncheon to honour Faculté benefactor and Bombardier helmsman Laurent Beaudoin will put French students in touch with one of Canada's most respected entrepreneurs. Beaudoin has contributed an impressive \$500,000 towards the Faculté's Bombardier Professorship in Entrepreneurship – the cornerstone of its bilingual commerce program.

"He has been the chair of Bombardier since 1979, and it has become a world leader in transportation in two decades. We are preparing the citizens of tomorrow, and they have the opportunity to speak with the leaders of some strong national companies – and these leaders are very interested in preparing bilingual workforces," Tardif said.

"We try to bring in people who will



Novelist and essayist John Ralston Saul speaks at Myer Horowitz Theatre Sept. 24.

reflect the diversity of Faculté Saint-Jean and we have new commerce programs so anything that touches business and economics or history and socio-political studies touch those topics that are of interest to us as well."

Tardif adds that the calibre of speakers in

the line up speaks to the respect the Faculté has earned over the years. "We are a relatively small faculty, though we have proven we can draw a lot of interest, and we have a lot to offer. This is just one of the ways we contribute to the creation and dissemination of knowledge at the university." ■

folio

Volume 39 Number 2

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Folio's mandate is to serve as a credible news source for the University community by communicating accurate and timely information about issues, programs, people and events and by serving as a forum for discussion and debate. *Folio* is published 20 times per year.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be printed with acknowledgement.

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The great (United Way) escape

University campaign offers many rewards for giving

By Richard Cairney

Dr. Guy Swinnerton and his wife had traveled all across Canada and around the world, but one destination they hadn't visited, but always wanted to, was Newfoundland.

Last year, when Swinnerton's name was picked in a United Way draw for a trip for two anywhere in North America, the East Coast tour was on.

"My wife works with the provincial government in relation to parks and protected areas, and I do research and consulting in relation to parks and protected areas, so our holidays tend to be quasi work in that I want to see new parks for teaching," said Swinnerton.

The airfare was priced right and just one of the rewards of contributing to the United Way campaign, which runs on campus Sept. 29 – Nov. 16. Swinnerton and his wife both contribute to the United Way at work, through payroll deductions.

The campaign got an awareness boost last weekend when United Way co-chair Susan Green, Vice President (External Relations), took part in a face-off between the United Way and Golden Bears' mascots at Clare Drake Arena.

Some donations have already begun to come in. The Department of Music contributed \$500 in revenues from a recent concert. In July, the Devonian Botanic Garden donated more than \$250, and students from the School of Business raised \$350 for the campaign at their Dean's barbecue.

The U of A campaign co-chairs – Green, Rod Ziegler, Anita Moore and Dr. Lory Laing – are hoping participation from the university will increase this year. Last year the U of A raised over \$365,000, the second highest donation from a post-secondary institution in Canada. This year's goal is to raise \$375,000.

Donations from faculty, staff and students have proven the U of A means business when it comes to giving, said Lorna Hallam, the university's United Way loaned representative. "The record of giving shows how committed the U of A is to fulfilling the community service aspect of its vision," she said. "I think the United Way campaign is a big part of that."

The campus campaign's official kick-off on Sept. 29 begins with the U of A's 42nd annual Turkey Trot, a fun run/walk event. Last year the event raised \$2,200.

Other events planned to keep the campus united in the campaign include another draw to send a donor on a trip anywhere in North America with Air Canada.

Swinnerton will vouch for the deal. He says giving has rewards of its own, but the trip east was special.

"We were just thrilled to have had that



Guy Swinnerton won last year's United Way campaign holiday, and chose to visit rugged Newfoundland.

opportunity. I dare say that as we were going around hiking, the United Way was on our minds – if it wasn't for that early bird draw we wouldn't have been there." ■

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Deconstructing the face of terrorism

Prof pulls the mask off the mask we put on terrorism

By Geoff McMaster

They passed through crowded airports, checked in through security and boarded planes without a hitch. No one reported seeing anything unusual. There were no clear signs to give them away.

Last week's attack on America reminded us all that terrorism doesn't have a face. It rarely stands out in a crowd.

"The dangerous thing about a stereotype is it makes us think we can recognize a terrorist," says English professor Heather Zwicker. One important lesson about this month's suicide bombings is that you simply can't paint all people with the same brush.

In the wake of those attacks it has now become more important than ever to understand what terrorism means, to dissect and analyze the terrorist in all of its guises. Zwicker is the first to admit, however, that context is everything. The subject of her latest study is the Irish terrorist stereotype in film and literature, a political context very different from Islamic jihad. But the IRA stereotype nonetheless provides valuable insight into the triggering, and the preservation, of unexamined pre-conceptions.

"All you have to say these days is, 'He's a terrorist,' and it conjures up an immediate visual image in your mind and a set of ideological assumptions," she argues. It's a stereotype we know well, having seen it countless times – a fiercely determined, myopic young man on the fringe of mainstream society, as irrational as he is intractable. He stands for violence carried out blindly for no justifiable cause.

"The term 'terrorist' is a way to de-legitimize the political integrity of violence," says Zwicker. "We live in a world of violence – some of it gets legitimated and some de-legitimated. 'Terrorist' is a word that functions to de-legitimize, in other words it severs violence from its political context.

"None of this is to say violence is good, or that I'm a big fan of it. But it does seem to me as an intellectual that if we're going to get anywhere in undoing the troubles, we need to understand the political background of both sides and not simply dismiss it out of hand."

Zwicker's project began in a modular graduate course she shared with three other instructors six years ago on colonial and post-colonial stereotypes. She intended to spend four weeks looking at the Irish terrorist stereotype and turn the research into an article. But the topic quickly became unwieldy: "It wouldn't congeal into an article. There was too much material."

So the article grew into a book, which Zwicker hopes to finish sometime next year. One chapter will examine Hollywood film productions, such as *Patriot Games*, *Blown Away* and *The Devil's Own*, to deconstruct characters familiar to many. In *The Devil's Own*, Brad Pitt plays an undercover Republican soldier who moves in with a New York cop while trying to secure missiles for the IRA.

"I look at inherent contradictions, such as the way the Irish terrorist (Brad Pitt's character) is paired off against the family man (Harrison Ford). When you isolate these figures and look at them, you realize the representation of the Irish terrorist is ambivalent. The figure is designed to elicit a kind of fear but also a titillation.



Dr. Heather Zwicker, at left with chess figures of Sinn Fein leader Gerry Adams and a member of the Royal Ulster Constabulary squared off against Democratic Unionist Party leader Ian Paisley and a paramilitary soldier, studies images of terrorists. She is comparing big-screen stories of the IRA to its actual history, portrayed in its own way on murals in Belfast and Derry/Londonderry.



more difficult to cast as romantic, says Zwicker.

For balance, Zwicker will spend a chapter dealing with Irish productions such as *In the Name of the Father*, *Some Mother's Son* and *The Boxer*.

"In some ways, there is a lot of continuity, and not a lot of difference between [the Hollywood and Irish productions]." In the end, she says, they're all for-profit productions. And nothing succeeds better at the box office than predictable, easily digestible character types. "Even the Irish films partake of the Hollywood generic constructions. They're big, blockbuster productions, and that limits their ability to be radical."

Literature works differently, however. It can afford to break free of generic constraints. Here Zwicker turns to, among other Republican texts, the canon of Gerry

Adams, the leader of Sinn Fein (the political arm of the IRA). With nine books and counting, Adams has written not only political tracts, but also short stories, a prison memoir and an autobiography. According to Zwicker, Adams demonstrates a keen sensitivity to various shades of Irish identity, including, of course, that of the IRA soldier.

"Adams is extremely canny about what the stereotype is and how it attempts to encircle him and entrap him, and he seems to be able to move in and out of it almost at will."

All of this may not shed much new light on the 'reality' of the conflict in Northern Ireland. But that's not really Zwicker's concern. Her aim is to show how we use language and visual images to mask what we find most disturbing. ■

"Nobody actually wants to be the stodgy family guy. Who's sexier, Brad Pitt or Harrison Ford? Brad Pitt, right?" Passionate devotion to a political ideology makes Pitt's character a romantic figure. And while Harrison Ford's character is devoted to his own kind of ideology, it's one that's been normalized – a kind of family values. And those qualities are far

"The dangerous thing about a stereotype is it makes us think we can recognize a terrorist."
—Heather Zwicker



A natural state of affairs

Killam award recipient blends passion for environment and teaching

By Jacqueline Janelle

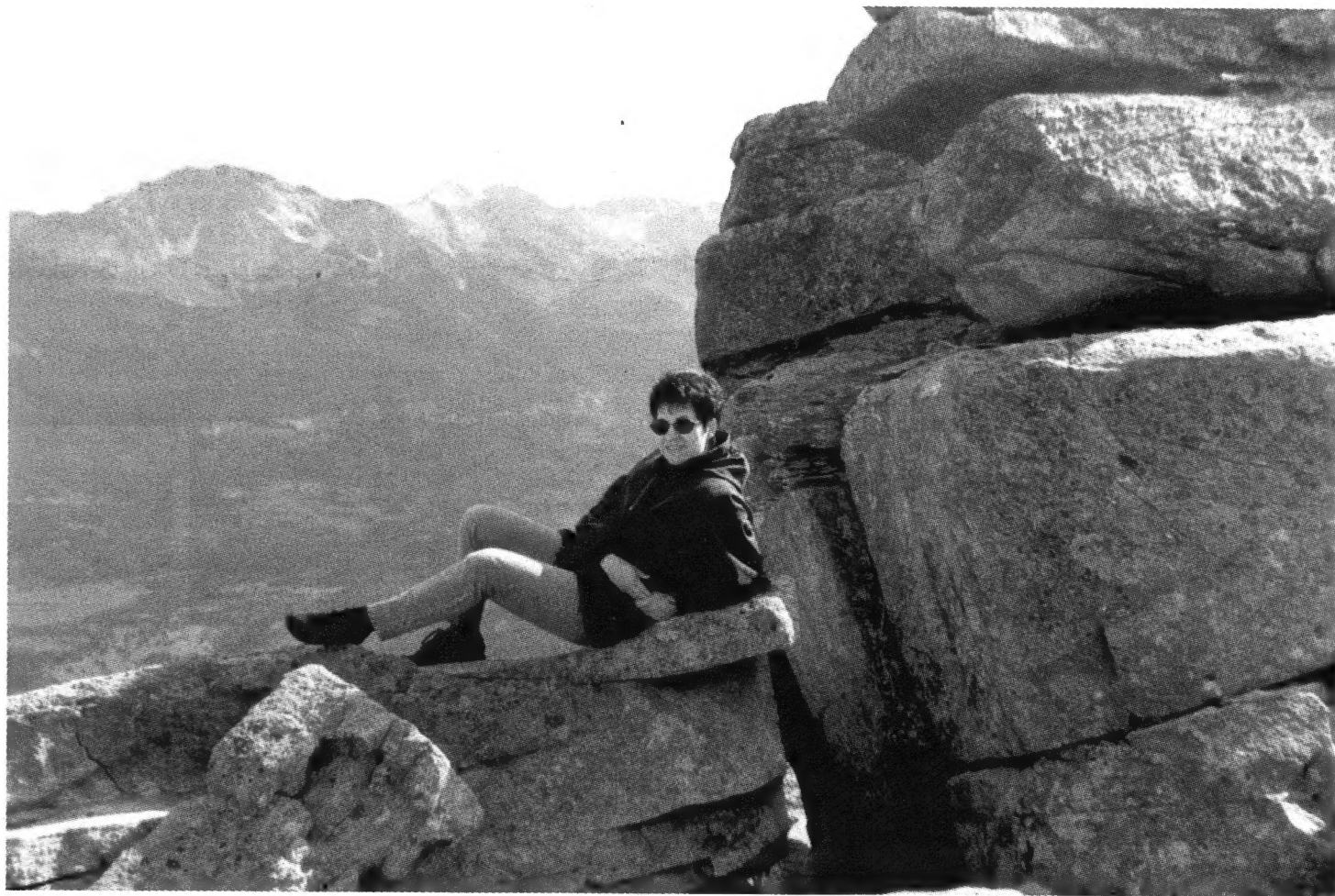
Dr. Anne Naeth had always intended to study medicine, until an undergraduate elective at the University of Saskatchewan turned her head: "I took this botany course and I fell in love with the environment. It was like, 'Wow, this is what I really want to do!'"

Now the 2001-2002 Killam Annual Professorship recipient considers herself to be a "doctor of the environment" — an accurate moniker, considering she looks after the health of the earth. In particular, the department of renewable resources professor focuses on land reclamation, "cleaning up the messes we have made through our use of the environment." It is, she says, a matter of "taking an area that has been disturbed or abused and turning it back into some useful functioning part of our planet."

Naeth is careful to distinguish between land reclamation and land restoration. Reclaimed land might become agricultural space or a park, returning it to the life cycle and ensuring it fits with the adjacent landscape; but restored areas are returned to their state prior to disruption. Mind you, Naeth does not consider herself to be a restoration purist. She keeps a practical perspective when trying to decide whether to reclaim or restore. "What is important is that native species, plants and animals, have the opportunity to live and grow in that environment. You have to assess what is there and what is the end-land use. The end-land use is the key thing."

In 1974, Naeth transferred to the University of Alberta, where she completed her undergraduate degree in biology. She financed her education by working as a telephone operator for AGT (now Telus). Working split shifts and holidays admittedly did nothing to further her career, but it kept her out of debt and allowed her to follow her passion. Naeth knew she would need expertise in soils and vegetation in order to fully understand land renewal, so she met the requirements for both the departments of Plant and Soil Science at the Master's level.

Her depth and breadth of knowledge led to an appointment to the Alberta Environmental Appeal Board in 1995. Here she chairs panel hearings and mediates environmental issues. "I'm really interested in environmental mediation," said Naeth, "because you're working with the people who use the land, you're working with the decision makers, the policy makers, and you're working with the companies that are utilizing the resources." She feels there are many people in both government and industry who are genuinely



Dr. Anne Naeth has turned her love of the environment and teaching into a rewarding career.

concerned about the environment and points out that 70 to 80 per cent of her research is funded by industry.

Naeth considers her work for the EAB to be an integral part of her job as professor, believing that the work of a professor can be divided into three separate but related categories: research, teaching, and extension. Working within the broader environmental community allows her to use her research knowledge within a larger framework. "I think what I do blends so nicely together. If you're going to be a really good university teacher, you need to be current, you need to know what's going on."

As chair of the environmental and conservation sciences degree program and associate Dean (academic), Naeth's eyes light up at the mention of teaching. The winner of three teaching awards — the Faculty

Teaching Award in 1995, a national 3M Fellowship for excellence in teaching in 1998, and the Rutherford Award for Undergraduate Teaching in 1999, she truly enjoys the time she spends with students. Quality teaching is something she feels passionately about.

"I'm really interested in environmental mediation, because you're working with the people who use the land, you're working with the decision makers, the policy makers, and you're working with the companies that are utilizing the resources."

— Dr. Anne Naeth

"I'm committed to teaching, not just to being a teacher. To improving teaching and to helping other people become better teachers." And it shows. As a Master's student and teaching assistant, Naeth got involved as a student rep on the committee for the improvement in teaching and learning. She also wrote a pamphlet in conjunction with University Teaching Services to help professors improve in the lecture hall.

She's just as serious about her role as model to women in her discipline. When she started

in the reclamation field, she had no female colleagues. Naeth felt that land reclamation was a "nurturing thing, with such wonderful depth to the science," that women should move into it. Today, more than half the students enrolled in the Environmental Conservation Sciences program are women. "It's really exciting to see that," she said.

Combining research, teaching and outreach makes for long days. So what does Naeth do with her spare time? She can be found puttering around her own garden, of course, where she grows a mix of native and horticultural species, or she's landscaping, doing everything from design and layout to hauling earth in the gardens of friends and colleagues, so long as they get down and help dig.

Those willing gardeners, as well as Naeth's students and the local environment, can expect to benefit from her enthusiasm and knowledge for a while yet. Asked what her goals are for the next decade, Naeth laughed and said: "More of the same! This is my passion. This is my life." ■

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Equity, not bombs, will melt the regime of terror

Our wealth must be directed to humanitarian causes

By Senator Douglas Roche

The New York/Washington attacks plunged the world into darkness, the darkness of horror, mass murder, debris and fear. Now we search for a way to give us light. We want to rid the world of the evil of terrorism so that we can live again.

And so we prepare for war. We do not know against whom precisely this war will be fought. No matter. We have received violence. Violence we will return.

In the chorus calling for vengeance and retaliation, the voices of moderation can scarcely be heard. To plead for a larger view in the midst of this crisis risks being accused of making excuses for terrorism. It is as if such views reveal weakness whereas the war path will exhibit our strength.

Of course, the terrorists who committed these terrible acts must be hunted down and brought to justice just as the police capture a criminal in our own neighbourhood. It may take military action to do this, but the action must be proportionate, so that the culprits are punished without inflicting more death on innocent civilians. It is not a U.S.-led "war" that is required but a humanity-centered response that includes appropriate military action with a range of comprehensive measures to truly root out terrorism.

Not only must any military strike under the aegis of the self-defence article of the U.N. be within the confines of international law, it must also be part of effective international co-operation to combat terrorism based on the principles of the Charter of Rights and Freedoms, including respect for international humanitarian law and human rights. At the very least, any military response must be limited to the least possible damage. Canadians have always upheld the value of all humanity. We must never approve military strikes that have the effect of killing innocent people or triggering a humanitarian catastrophe.

Revenge as an end in itself will not restore the world to order. Merely defeating the enemy of terrorism will not cure the problems that feed the hate that terrorism spews out. Military action by itself may give us the feeling that we are doing something, but we will be fooling ourselves that we are actually accomplishing a safer world.

At this turning point for the world, for that is what it is when terrorists anywhere can covertly destroy the prized assets of the powerful, we need to face up to a hard reality: military might alone will not defend us against those who lash out at humanity itself because of their consuming hatred. Such hatred exploits the brutalities of poverty, oppression, power, greed, and similar characteristics of modern society. Thus, our long-range defence will lie in



Canada's military response to the terrorist attacks against the United States must be precise operations that protect innocent lives.

addressing the great injustices that today are worsening the divisions between rich and poor, the powerful and the vulnerable, the triumphant and the despairing.

Will we now lift ourselves up to get at the real problems of social disorder? Will we provide genuine hope to the growing number of dispossessed? Will we strengthen the international machinery to promote the rule of law and economic and social development?

These are the large questions that challenge us.

What has war produced for us so far?

In the 20th century, the century of "mega deaths," at least 110 million people were killed in 250 wars, six times as many deaths as in the 19th. In 2000, 40 armed conflicts were fought on the territories of 35 countries. There are 500 million small arms in circulation around the world, which kill 500,000 people each year. Governments plead that they have little money for social programs, yet they are currently spending \$800 billion a year on military expenditures, which is 80 times more than the \$10 billion they spend on the entire United Nations system.

The militarists would protect us against tomorrow's terrorists, who we fear will have nuclear weapons, by building a missile defence shield. It is evident that a mis-

sile defence system would not have stopped the attacks on Washington and New York. Reliance on "technological fixes" against international terrorists has never worked in the past, nor will it in the future.

This emphasis on militarism stands in sharp contrast to the social deficit of humanity. Almost half the world's people live in abject poverty. Of the 4.6 billion people in developing countries, one billion lack access to clean water and 2.4 billion do not have basic sanitation. The richest 1 percent of the world's people receives as much income as the poorest 57 percent. Sixty-six countries are now poorer than they were a decade ago.

This is the reality of life for countless people whose anger against the West, whose riches and high standard of living are flaunted daily on television that reaches the most remote corners, is rising in a palpable way. Such a climate is bound to foster the seeds of terrorism. Stamp out today's terrorists without stamping out the problem that spawned them and we will have accomplished little to ensure our safety. For tomorrow's terrorists are the children in today's refugee camps.

A distinguishing feature of our time is that morality and pragmatics have intersected. What we have long known we should do for our brothers and sisters on

the planet we now know we must do if we are to survive without the most wrenching dislocations in our lives. It is not news that moral teaching emphasizes the core values of respect for life, liberty, justice and equity, mutual respect and integrity. It is news that technology has brought us to the point where we all stand on one planet, breathe the same air, are affected by one another's problems, and possess the power to decimate all life. The physical integrity of all human life today demands political policies that enhance not diminish life in every region of the planet. The common good requires policies that promote sustainable and socially equitable development and peace in all regions of the globe.

There is hard slogging ahead to build the conditions for peace, development, equity and justice. Our real strength will be shown in our willingness to use the present catastrophe as a wake-up call to energize the political systems to provide social justice in a shrinking – and much more dangerous – planet.

(Douglas Roche is a Canadian Senator and former Canadian Ambassador for Disarmament at the United Nations. He is International Chairman of the Middle Powers Initiative and the author of *Bread Not Bombs: A Political Agenda for Social Justice*.) ■

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How do you sustain funding for 20 years?

AHFMR honours some of its top U of A researchers

By Rhonda Lothammer

"It makes me feel like an antique," Dr. Linda Reha-Krantz jokes about the recognition she received for 20 years of support from the Alberta Heritage Foundation for Medical Research (AHFMR). She is one of seven top University of Alberta researchers recently honoured for receiving long-term funding for some aspect of their research from the provincial funding body. Dr. Carol Cass, Dr. Tessa Gordon, Dr. Robert Hodges, Dr. Michael James, Dr. Diane Taylor, and Dr. Lorne Tyrrell were also recognized for their long relationship with AHFMR. The lengthy affiliations represent an impressive cumulative total of approximately \$15.5 million.

The afternoon award ceremony was part of a larger reception to acknowledge the successful partnership between the U of A and AHFMR that has thrived for over two decades.

An opportunity to create a solid base for her research at a major North American university backed up by Heritage funding drew Dr. Reha-Krantz to Alberta during the early 1980s. The salary offered by Heritage and a supportive atmosphere on campus have kept her here ever since. "I would hate to think what the state of research in the province would be like without the strong collaboration between the U of A and the Heritage Foundation," she says. "It's really an amazing achievement that Heritage has managed to sustain research in Alberta and more importantly, research careers, for all of this time."

Dr. Matthew Spence, AHFMR's president and CEO, returns the compliment. "We have a tough system that supports only excellence," he says. "Receiving Heritage support is not easy; maintaining Heritage support for 20 years deserves to be applauded."

Starting out as a Heritage Scholar, Dr. Reha-Krantz has moved her way up the ranks to become a Heritage Medical Scientist, the most senior and distinguished award offered by the organization. Now a professor in the U of A's Department of Biological Sciences, Reha-



Dr. Tessa Gordon is one of seven U of A researchers honoured for 20 years of funding through the AHFMR.

Krantz has developed an improved way to "tag" DNA molecules to keep track of genetic transactions. She also studies DNA polymerases, which carry out the copying function when a cell divides, and the question of why error occurs in some replication. The enthusiastic teacher actively encourages young scientists, mentoring more than 40 undergraduate and graduate students over the past 20 years.

When he arrived on campus in 1967 after completing his Doctorate in Chemistry at Oxford University, Dr. Michael James also encountered an encouraging environment where the then-Postdoctoral Fellow could flourish. Twenty years of Heritage funding have allowed the professor of biochemistry in the Faculty of Medicine and

Dentistry to carry on the tradition of fostering bright students in his own lab.

"Colleagues made me stay here in Alberta. They have been the best I could find anywhere," he says. "I now have the same opportunity to help extremely bright students explore an exciting area of research."

James has received long-term AHFMR funding through a combination of awards, including equipment and technology commercialization support for his work. In his research he seeks to understand the biological functions of proteins, and enzymes in particular, through knowledge of their three-dimensional structures. "One of the students I mentor, Don Mark, has just determined the 3-D structure of a particular human enzyme in which certain genet-

"We have a tough system that supports only excellence. Receiving Heritage support is not easy; maintaining Heritage support for 20 years deserves to be applauded."

— Dr. Matt Spence, AHFMR president and CEO

ic defects cause the often fatal Tay-Sachs syndrome and Sandhoff disease," James explains proudly. "We now know what the enzyme looks like, where the genetic defects are on it, and how they affect the enzyme's function."

The opening of the Heritage Medical Research building on campus in 1980 is particularly memorable for Dr. Tessa Gordon. As a Heritage Scholar, she represented her fellow scientists in a speech at the building's opening ceremonies. It marked the start of the Foundation and the beginning of a successful research career for Gordon. Fast forward 20 years and \$650 million, and the Foundation continues to thrive. "It's been a very exciting time," she says. "Heritage funding has clearly allowed the recruitment of many wonderful scientists and that is reflected in the attraction of excellent funding from national organizations as well."

Gordon is now a Heritage Scientist and a professor of pharmacology in the Faculty of Medicine and Dentistry. She considers the strong collaborations she's formed with colleagues at the U of A and across North America another stand-out element of her career. "There are so many excellent people that I come into contact with," she says. "The expertise on campus has really grown because of the importance the university puts on research and its strong partnership with AHFMR."

Among her research Dr. Gordon studies peripheral nerve cells and the repair of injured nerve cells. "I feel really privileged to have had the opportunities working with Heritage has allowed me," she says. ■

It's amazing what can be accomplished over dinner

Heritage medical foundation celebrates 20 years of giving

By Phoebe Dey & Terese Brasen

No one could have predicted the lasting impact of a special dinner meeting where former premier Peter Lougheed candidly asked how much money was needed to create an enduring medical research establishment.

The meeting, held March 20, 1978, included Dr. Harry Gunning, Dr. Walter MacKenzie, Dr. Lionel McLeod, Fred Mannix, Sr. and 10 other University of Alberta alumni. The subject was medical research.

"We simply didn't have the institutions in this province to hold top-flight people," said Eric Geddes, who attended the meeting as chair of the University of Alberta board of governors. "We didn't have the proper equipment, laboratory space, or funds to help young colleagues coming up the ladder. And the Canadian scene wasn't a great deal better. We were in a very bad mode, vis-à-vis the United States."

Along with his U of A role, Geddes was a Price Waterhouse partner responsible for the Edmonton operation. Gunning was president of the University of Alberta. MacKenzie was dean of medicine at the U of A, and McLeod University of Calgary dean of medicine. Others present included Dr. Jack Bradley, the premier's health advisor.

That evening, Lougheed considered a proposal to channel significant Heritage Savings Trust Fund investments toward an arm's length, non-profit foundation, tentatively named the Alberta Heritage Foundation for Medical Research (AHFMR). "These people were in a position to say this funding, if provided, will cause us to take a quantum leap forward in excellence and become a centre of knowledge and learning and excellence in Canada," said Geddes.

Lougheed asked everyone present to take a piece of paper and write down how many dollars were needed. By the end of the evening, the group had agreed on \$300 million. Money earned from that investment would fund medical research in Alberta.

Two years later in 1980, the Foundation began funding medical research, investing more money per capita in medical research than any other province. Since then, the fund has contributed more than \$650 million to

medical research in Alberta and more than \$300 million to U of A research.

Said Geddes: "The notion that here we are 20 years later and the market value of the fund is a billion dollars – that was entirely outside my scope of understand-

ing. I certainly had nothing in my personal résumé that would allow me to have that insight."

Seven U of A researchers have received continued AHFMR support, their research ranging from cancer treatments, nerve cell repair and bacterial resistance to antibiotics and the hepatitis B and C viruses.

Their cumulative funding amounts to \$15.5 million over 20 years. The AHFMR recently honoured this group of seven: Drs. Carol Cass, Tessa Gordon, Robert Hodges, Michael James, Linda Reha-Krantz, Diane Taylor and Lorne Tyrrell.

"The work of these seven researchers over the course of their 20-year partner-

"We were out to achieve a level of excellence that we have now achieved. Excellence in turn breeds excellence on the part of others. If you get a bunch of bright minds working together, they produce the best results. That was what we wanted."

— Eric Geddes

ships with AHFMR, and the work of their many Heritage colleagues at the U of A, demonstrates what results from a long-term commitment to research," said Dr. Matthew Spence, president and CEO of AHFMR.

In October, Lougheed and Bradley will be inducted to the Canadian Medical Hall of Fame. One main reason is their work to establish the AHFMR.

"We have been able to retain in Alberta these top-flight people who might otherwise have gone to other countries," said Geddes, explaining that the AHFMR not only attracts top researchers but also helps to reverse the brain drain. "It just happened that we had a lot of people in our province who are excellent people. The Islet transplantation team is predominantly Albertans. They took their high school in Alberta and were undergraduates at our university. They stayed at home and gained proper funding and maximized their research opportunities here."

"We were out to achieve a level of excellence that we have now achieved," added Geddes. "Excellence in turn breeds excellence on the part of others. If you get a bunch of bright minds working together, they produce the best results. That was what we wanted." ■

Brecht's work rings true in climate of war

Provocative play makes demands on its audience

By Gilbert A. Bouchard

After hijacked airplanes hit the World Trade Center and the Pentagon, MFA directorial candidate Barbra French knew she'd have to address the tragedy.

Not that French had much choice, given the nature of the play she is presenting, none other than *The Caucasian Chalk Circle* (*Der kaukasische Kreidekreis*) by the notorious and brilliant German dramatist and poet Bertolt Brecht (1898–1956).

The play tells the story of a young servant woman fighting for custody of an abandoned baby and is set in the turmoil and chaos following a mediaeval palace revolt and subsequent civil war in what is now the Republic of Georgia. This subject matter hits ever so close to home, with the talk of military action and declarations of war swirling about in the aftermath of the Sept. 11 attacks. French's take on the 1955 experimental musical epic plays at the University of Alberta's Timms Centre for the Arts until September 29.

"We didn't know what all the issues were (immediately following the attacks) and what would happen in the week before the show opened, but I sat down with the cast and talked about the attack at length," she explains. "I knew these events would add a whole new colour to the characters in the play."

While initially concerned the play's humour might be misconstrued amidst public mourning, French realized the work's comedy is too central to the play to be removed or underplayed. "The comedy would have to stay and will give our audience even more to think about as they watch the play," she explains, adding that she always knew the work would be controversial at some level when she chose it for her final MFA project.

"I have to trust the audience and hope that they will take what they need and want from the work," she said. "I'm here



Adzak (Jean Stephane-Roy) presides as Grusha (Kattina Michele) and the Governor's wife (Darlene Arsenault) struggle for Michael (Braydon Dowler-Coltman) in *The Caucasian Chalk Circle*.

to take risks, not just take the easy path – that's an attitude that often gets me into trouble."

Encouraging the audience to think while watching a play by Brecht wasn't going to be that difficult. Brecht's work represents a cornerstone of modern theatre. He was especially famous for his deconstructive dramatic approach designed to shock the audience into a deeper, more thoughtful appreciation of the process while giving them a more objective perspective on the action, says the 40-year-old director.

"Brecht was interested in creating metatheatre – work that would comment upon itself and make demands on the audience to question the idea of the construction of theatre," says French. "He's

asking us to question the social attitudes that we bring into the theatre and what roles the audience and the performers are playing."

As part of that process, French is radically transforming the theatre space, dropping the lights and removing the traditional masking that usually blocks off the wings and back area of the Timms' classic proscenium stage, "exposing everything" to the audience.

French and set designer Roger Schultz also built long ramps on either side of the stage and have gently terraced the playing area to further erode the distance between performers and audience to make the theatrical experience more transparent.

The show's creative team also decided to minimize the set dressings and props,

relying on cleverly illuminated fabric hangs to animate the stage and setting up the cast of the show as a traveling theatre troop. Even the show's two musicians sit in plain sight.

Given this intellectual depth and the layers of history and meaning surrounding the epic, French realized she would have to make some hard decisions to bring the work to fruition. She and dramaturge Heather Fitzsimmons Frey had to make some hard cuts to get the play down to 2-1/2 hours and the cast down to 16 players.

"As a dramaturge you're supposed to be an advocate for the text, but in this case we had to cut, cut, cut to get the show down to a good running time," says Frey, an MFA student who volunteered to work with French on the show. "I found myself more concerned with integrity of the story rather than the integrity of the text in all places."

French, a theatre buff since the age of eight and a long-serving professional with theatrical experience across the country, attracted a wide range of stage professionals to perform in this play.

One of the actors, Jean-Stephane Roy, is a well-known Quebec-based actor/director who was last in Edmonton in the spring of 2000 to direct the U of A Studio Theatre production of William Shakespeare's *Pericles, Prince of Tyre*.

"It was daunting directing Jean-Stephane – for about 30 seconds," French says of working with the celebrity director. "He's so professional and steps back so completely from his training as a director and never crosses the line."

There is also a surprising benefit of working with a lead actor who doesn't speak English as a first language, she said. "I learned so much about the English language working on this play because I had to break it down for a French speaker." ■

Ingram's water-based art runs deep

Liz Ingram takes print making to a new level

By Gilbert A. Bouchard

Fragile Source, Liz Ingram's breath-taking installation work at the Edmonton Art Gallery highlights that old adage that says the more things change, the more they remain the same.

The 12-part exhibit in the Kitchen Gallery until October 28, encompassing both etchings and digital output transparencies, some layered with Plexiglas framed in large back-lit display units, seems a departure from her typical print and drawing work. But the U of A professor of print making sees a definite continuity.

For example, these recent pieces are figurative in nature and involve the depiction of water – two visual tropes that date back to Ingram's U of A grad study days.

"I've been working with the images of water and the (human) body for many, many years – since my graduate work in 1975," Ingram explains of her show's primary subject matter: a human figure photographed in a bathtub.

According to Ingram, the underlying images for the installation arise from "a very domestic situation" – snapshots of herself in her own bathtub taken open-shutter-style with an old 4x5-inch camera. In the pitch dark, the exposures were created when her husband set off a flash. She then blows up and manipulates the images (via the layering) so as to take them "out of context to minimize the source."

As for her seemingly ground-breaking choice of media in this series of work, the use of transparencies and back-lit pieces directly rises out of Ingram's long-standing studio process. "For years I've been

layering transparencies on a light table to make my print pieces, and I saw potential to work with depth and illusion that go beyond that two-dimensional sheet of paper, but still rising out of my work with prints."

For example, in the large "pool" piece in the centre of the Kitchen Gallery floor, the printmaker was striving to create layered plates with "space in between the layers" to give real physical depth to the piece – "an air space" between the images, so to speak.

"I was attempting to give the feeling that you could fall into this piece," she explains, her comments echoing statements made in the 1989 U of A Press book *Printmaking in Alberta (1945-1985)*, in which she outlined her desire to create an illusion of space even in her two-dimensional work.

The artist is also trying to give the viewer a sense of "the movement of water, a shimmering and rippling via the movement of the image, underlining the element's sensuality, purity and wonder."

Her use of transient, shimmering and "less concrete" images becomes a perfect visual metaphor for the "transient and fragile nature of life itself" emphasizing the deep connection between humans and the larger natural world.

"I want to evoke that internal memory of sticking your hand in water and realizing that you yourself are mainly made of water – a fundamental element."

Fully embracing hybrid nature in this particular work, Ingram is pleased with the range of media utilized – including a

string of text that she's varnished on the show's largest print – and also with the way the installation process emerged organically "bit by bit."

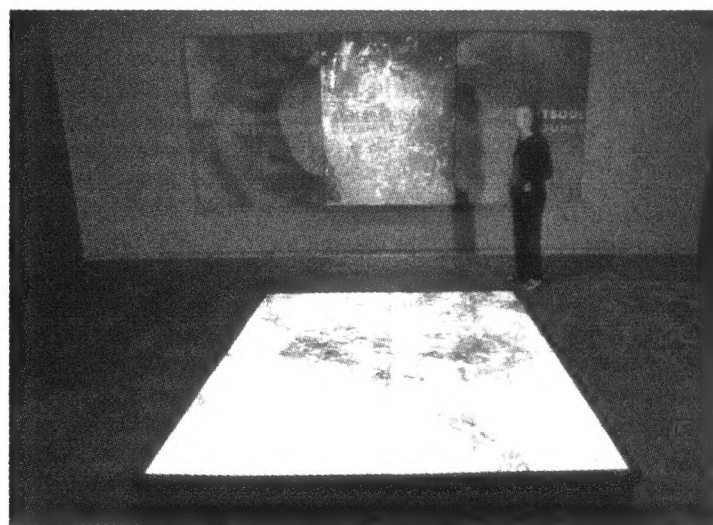
"While I don't want to stop making smaller prints that are on a more intimate scale or drawing, this piece has spurred me to do further work (in installation and using hybrid media). I have other ideas."

Ingram isn't simply moved by the process and the intellectual layers of her work; the artist is keenly aware of the deep political, ecological and emotional value these pieces possess.

For starters, she notes her use of "computers and the language and techniques of advertising" (including rounded back-lit pieces resembling rounded soda pop vending machines), are subversively being presented in such a way as to "counter the culture of advertising and materialism and the world we live in."

On a direct ecological level, Ingram's work reflects her concern about the "political debates around water and the possibility that water might be sold," but from a more local, personal point of view.

Ingram and her husband own property

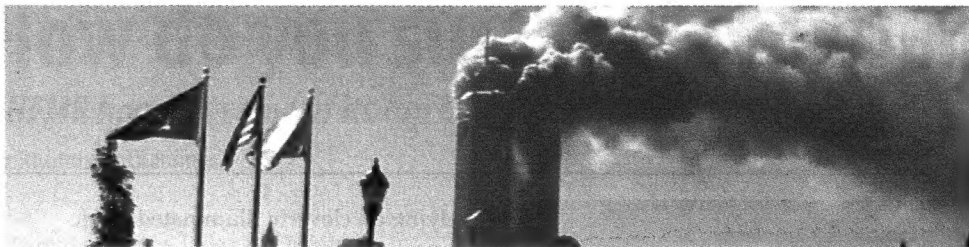


Printmaking professor Liz Ingram strikes a pose with her first installation piece, on exhibit at the Edmonton Art Gallery until Oct. 28.

on a lake between Hinton and Edson, a connection to wetlands that has made the artist keenly aware of the fragility of Alberta's water sheds.

"I'm not making a direct political message, but I do hope that it serves as a reminder of the essential nature, the wonder, the beauty and the absolute fundamental nature of water," she says. "I hope that it does have ecological meaning."

The long-time U of A professor is also excited that her work is on display at the same time as that of friend and U of A printmaking colleague Lyndal Osborne, creator of another installation-based, water-themed piece. Osborne's work is part of the *River City* show on display in the gallery's main space until October 28. ■



Terrorists attacked the United States Sept. 11, hijacking commercial airliners and crashing them into the twin towers of the World Trade Center, causing both to collapse, and the Pentagon in Washington, D.C. It is estimated that more than 5,000 people died.

For many people, the reality of the situation was difficult to understand: the only frame of reference anyone has for such devastating violence is rooted in Hollywood action movies. With this in mind, *Folio* asked alumni living in and around New York City to tell their own stories. Their tales bring some clarity and understanding to the otherwise incomprehensible.

'Thank God for IKEA'

I consider myself to be somewhat lucky. I didn't have classes that day and was forced to wait at home for IKEA to deliver my furniture.

Thank God for IKEA – many of the subway lines that I often ride go directly under or near the WTC.

I also consider myself lucky because last year I lived not more than five or six blocks from the WTC and would go there, or pass right by it quite frequently on my way to run along the Hudson River or visit my friends in the neighbourhood.

I vividly remember being on the phone to my mom to break the news to her and tell her not to worry when I heard the radio announcer saying, "Oh my God, there is another airplane flying into the other tower!! We are under attack!!" Then I heard the impact. I am glad I don't have a TV and that I was in my apartment when the airplanes struck and the buildings collapsed. Being so close to that much death is terrible; watching the people die is worse.

I don't know what will come of this. I don't think people want justice here – people want revenge.

I hope that some good will come out of this evil act. Whatever else comes out of this, I know that my problems in this world are very insignificant when compared to a tragedy like this.

Kyle Hyndman is a second-year PhD student (in economics) at New York University. He graduated in June 2000 with a BA (Honours Economics).

Aftershocks 300 miles away

I moved to Rochester, NY, from Edmonton last August to attend graduate school at the University of Rochester. I am pursuing a PhD in English and Film Studies. I am also teaching at the U of R.

I first received news of yesterday's tragic events while visiting my doctor. I ended up spending the appointment glued to the television set with my doctor, both of us expressing shock and dismay about what was happening.

As my partner works in Manhattan I was very concerned. While watching the footage, I realized that the events were taking place very close to her office. I rushed



April Miller and partner.

to my office to begin making phone calls but, because all phone lines were dead, more than four hours passed before we were able to contact each other. I was horrified to hear

that she had actually been exiting the subway just blocks from the World Trade Center when the building collapsed.

She watched the building crumble and

saw people running and screaming all around her. She indicated that it was like watching a horrific movie, so surreal was the experience.

Even in Rochester, which is more than 300 miles from New York City, the mood is one of seriousness and mourning. When I taught a freshman class yesterday, almost half of whom are from the New York City area, I felt unable to proceed with the scheduled material. Instead, I asked them to sit and write for the duration of the class about what happened on Tuesday. Most of them just stared at their blank pages for a few minutes but all started writing. In fact, they all eventually began writing furiously, filling up many pages with what I can only imagine are some very sad, frustrated and melancholic thoughts.

I consider myself very lucky. Particularly because I spent the Labor Day weekend in New York City and only a week ago had been bicycling in many of the areas now destroyed. My heart goes out to the thousands of people who have lost friends and family in this horrible tragedy.

April Miller earned a BA honours (1996) and an MA (2000), both in English Literature, at the University of Alberta.

An apartment at ground zero

My apartment is two blocks away from the WTC, and thankfully I was at work in Midtown at the time of the fateful events. I returned to the Downtown area to see if I could gather some things from my apartment (residents were given limited access to parts of Downtown) and the streets were like a war zone – paper, debris and dust scattered about.

My heart skipped a few beats when I saw firefighters and police running from what appeared to be another building about to topple (One Liberty Plaza). . . . What a week. I feel extremely fortunate that I was not in the wrong place at the wrong time. It would be trivial for me to complain that I haven't been able to return home since last Tuesday. What a gift it is to be alive.

It is difficult to describe the psychological effect of this event on the city. The images of the falling buildings are etched in our minds, they pervade our collective consciousness. It is hard not to speak or think of anything else. Almost all conversations are prefaced with references to the event.

Over the weekend there were several candlelight vigils. I went to a few of them, and candles lit up the hundreds of "missing person" posters and associated memorabilia. One can't help but to feel moved by the overwhelming feeling of loss. We mourn the loss of those 5,000-some souls, some co-workers and friends. But there is more. We mourn the loss of civility, the loss of decency.

I still think twice every time I hear a jet aircraft, wondering whether it is flying so low that I should jump under my desk.

A picture of the Alberta prairie hangs on my wall in the office. Ah, the comparative calm of Canada. On the one hand I long for freedom of the open prairie skies and the serenity of the Rockies. On the other hand, I see the bustling of Midtown Manhattan and feel energized by the experiences the city has yet to offer. People here are resilient. And although shaken, I fully expect that confidence will return shortly. Stay tuned.

Terence Filewych graduated from the U of A in 1995/96 with a BEd. He served as a vice-president (external) and as president of the Students' Union. He earned a law degree at McGill University, and was admitted to the Law Society of Alberta. He moved to New York a year ago and practices corporate law in Manhattan with Dewey Ballantine LLP.

A VIEW FROM GROUND ZERO

U OF A ALUMNI SHARE THEIR STORIES OF ATTACKS ON NEW YORK

By Richard Cairney

A terrible mistake

On the morning of Tuesday, Sept. 11 I was waiting for a friend to pick me up in her car so we could go grocery shopping together. When she pulled up, she said "Get into the car – but we're not going shopping. An airplane has hit the World Trade Center and it's on fire." At first I thought someone had made a terrible mistake. Then we heard on the radio that a second airplane had hit the second tower, and we knew it was no accident.

Living near Columbia campus, approximately 15 km from the World Trade Center, it's easy to pretend that nothing has happened, especially because I don't own a TV. Students walk around campus laughing and talking, classes have resumed, and subway service has been restored. But my throat still feels sore from breathing the burning rubber and ash residue, which enters my windows when the wind blows north. And as I type this message in the computer lab on campus, a security guard is compulsively checking everyone's ID to make sure that nobody is here without authorization. Life is not quite the same as before.

So far everyone I have contacted in the city is physically OK. We're having mixed reactions of fear, numbness, anger, confusion, and a lot of sadness. I was very happy to hear both Governor Pataki and Mayor Giuliani speak about the importance of realizing that Muslims in this city are not to blame for what happened.

But despite the many voices of reason, a Sikh temple was attacked in Queens. On her way to work, a friend of mine was punched in the stomach by a man yelling "F***ing Arab." Now she won't leave her home. As a visible minority I know that angry people can lash out violently at anyone who looks different. The prospect of racial conflict scares me far more than the possibility of further terrorist attacks on this city.

The hopeful part is that there are hundreds of people wanting to help with the rescue effort, waiting in line to give blood, giving their money and their time to help families locate their loved ones. Volunteers are being sent home because the rescue effort has all the help that it can handle. Yet there are many others in need. Why not ask people to walk over to the homeless shelter just blocks away from the twin towers? How about volunteering to escort and protect Muslims and visible minorities like my friend from racist violence? What about collecting blood and medical supplies for countries that desperately lack

resources every day of the year? Just imagine what a difference we could make if everyone donated 10 cents to world hunger for every dollar they give to victims of the attack.



Sophia Isako Wong and brother Leo Wong.

Sophia Isako Wong graduated with her MA in Philosophy from the U of A in 1996 and is currently a PhD candidate in Philosophy at Columbia.

Atmosphere filled with smoke and madness

I woke up to a loud boom at around 8:50 a.m. I didn't think much of it, but my radio was on and about two minutes later a news report came on saying that an airplane had crashed into the World Trade Center. I made the connection and started to get dressed. I wondered (naively) at the time if they would close down work because my



Horrified New Yorkers look on as the second tower of the World Trade Center collapses.

office is located near the New York Stock Exchange. My apartment building is also right on the Hudson River overlooking Downtown and the World Trade Center.

As I made it down to the front of my apartment by the water, I saw the amazing sight right across the river of the twin towers on fire from mid-building up. You could see the flames and smoke engulfing about 30 of the 110 stories in each building. I ran into a co-worker who told me he saw the second airplane crash right into the second tower.

The surrealness of the moment was unbelievable. People were gathered outside my building watching the twin towers engulfed in flames, debris falling to the ground. You could see a gaping hole (about 10 stories wide) on the side of tower one. The flames and smoke were getting worse as time went on.

About 9:30 a.m., I saw a couple of jet fighters do a fly by. There was also a small gray military cruiser, which passed by. It seemed too little too late. The most incredible sight came at 10 a.m. as tower one disintegrated in front of my eyes. It crumbled like a sand castle right to the ground and there was an enormous amount of smoke and dust. Some of the people around where I was standing started wailing. A few of them had loved ones and family who had already gone to work (most of us go through the World Trade Center to get to work). I stood dumbfounded. One of the teenage girls wailed, "I hope they all burn in hell for this." At 10:30 a.m., the remaining tower crumbled. It was mind-blowing to see. The wails and screams from the crowd around me were chilling. There was a huge dome of smoke and dust, it seemed like all of Downtown was engulfed. I just hope there was enough time between the air crash and the tower collapses, to get most people out of the towers.

Some of my friends were Downtown and even in the WTC during this attack, but they were able to eventually make it out of Downtown in time.

The World Trade Center is still smoldering. The atmosphere is still crazy. There are bomb scares and flashes of paranoia everywhere.

Unbelievable.

Yooshin Lee grew up in Edmonton, completed her BSc 1994 at McGill, and earned her MSc (Computing Science) 1996 at the U of A. She is a consultant at Dimension Data (an e-business solutions provider) in Manhattan.

Helplessness, sadness, anger

I live in Princeton, which is about as far away as NYC commuters live as well, so several people I know have close connections to the city. One of my friends is a trader in the city and he told me that he was across the street when the second airplane hit: I certainly can't imagine being in that situation. He then related a story of being lost in the smoke and hearing a few airplanes overhead, not knowing whether they were USAF or the next attack. He was fortunate to make it out. This monstrous evil claimed a staggering amount of lives.

The best thing that can happen is the Taliban succumb to American (and world wide) pressure to hand over Osama bin Laden or fully co-operate in the manhunt. They seem reluctant to co-operate, making me fearful for the worst: more terror attacks here and Afghanistan, amazingly, becoming an even worse country to live in.

Adam Baig is in the third year of a PhD program in the Department of Geosciences at Princeton University. He earned a BSc in Geophysics in 1997 and an MSc in Physics in 1999 from the U of A

'Everyone in the room had lost a friend, parent, relative or child'

As I write this, I am home safe again today. The office building I was in was evacuated due to a bomb threat nearby forcing another exodus through a city struggling to return to normal. Trying to return to normal is a slow process.

Tuesday morning, I was working in Manhattan – Midtown – about two miles from the WTC. As a partner focused on capital markets clients with a large global consulting firm, many of my colleagues and clients were in the financial district, and many in the WTC. Unfortunately, many remain missing tonight.

As I watched the smoke from the building, and saw the coverage on TV in an office, I can't begin to tell you how surreal it was. Knowing that many of our friends and colleagues were there – some at a breakfast meeting on the 106th floor. After the first attack, we heard from some of them – in what would be the last phone calls. Then came the second crash, news of the Pentagon crash and then the unthinkable. As the first tower collapsed inward on itself, a hush fell over the room. People wept uncontrollably.

Some were ill and needed to leave. A few minutes later, the second tower was transformed into rubble as it too collapsed. Everyone in the room had lost a friend, parent, relative or child.

As the events of Tuesday unfolded, a different New York emerged. One where compassion, understanding and support overshadowed the usual frantic pace.

Lines for ferries, with thousands of people waiting, were somber. A commute that normally takes less than two hours took six hours. But arriving home was wonderful – knowing that my commute was better than many who would never again return.

Life will return to normal, here. It will be a different life, however.

The face of New York, and its people, and the people of the U.S. were changed forever. I hope our governments combine the intelligence of all NATO countries and eradicate the terrorism that today has touched many lives, including mine.

Dean Shold earned a BSc (Computer Science) from the U of A in 1984.

'They looked like they knew they were marching to their death'

Today, September 14 is my birthday and I had an early birthday present this week – the best one I ever received – a gift of LIFE!

I was already in the building (World Trade Center 1) when the airplane rammed into it. It felt like a major earthquake.

We evacuated right away and there are no casualties among my colleagues at The Dai-ichi Kangyo Bank. The evacuation was peaceful and orderly. We didn't know what the hell had happened – some said an airplane ran into the building and we thought it would be one of those small Cessnas or choppers that fly around the area for sight seeing. However, it was very scary because smoke started to seep into the evacuation route. As we were coming down, I saw a lot of firemen and policemen going up. I will never forget their faces, they looked like they knew they were marching to their death. But they didn't say anything to us about what had happened because they didn't want us to panic. What courage!

Unfortunately all those whom I saw perished – the building collapsed about 20 minutes after I got out. I have received so many e-mails and phone calls from everyone. Thank you very much for your concern. And please pray for all those who perished and their families.

I went back to work on Thursday and had a real full day – I actually made loans as I normally do. Those cowardly bastards can't kill New York spirit and vigour!

Don't let this stop you from coming to New York!

Chisako Furukawa earned her BA in music (singing) from the University of Alberta in 1982. She is a lending officer at The Dai-ichi Kangyo Bank in New York City and sings in local theaters.



Ash settles on Brooklyn

I am still in shock as I write this and don't expect that feeling to go away anytime soon. Luckily, both my fiancée and I work in Times Square, which is about 40 blocks away from the devastation. We are both safe and sound and are thankful that all of our close friends are accounted for. But Chelsea, as a financial reporter for Reuters, knew many of those who worked at the World Trade Center. Several of her journalistic sources are still missing.

We live in the Carroll Gardens neighbourhood in Brooklyn, which is directly across from the tip of Manhattan, the location of the financial district. We returned home on Tuesday to find the streets and vehicles in our neighbourhood covered in a light coating of ash, and even more horrifying, burnt documents were on the stairs to our apartment.

Thursday was to be the first "back to normal" day at the MTV building. However, we had a bomb scare at about 12:30 p.m. and along with my department mates, I scurried down 34 flights to the streets below. Upon reaching terra firma, I decided I was done work for the day and went and did some volunteer work with a friend whose office was at the epicentre and is highly unlikely to re-open. She was a witness to the first collapse and several people leaping to their deaths.

New Yorkers have a well-served reputation for being crusty and abrupt. However, the citizens of NYC have banded together with a force and power that is unbelievable. There are so many people trying to volunteer and give blood that, unless you are in line by 10 a.m., your services won't be required. I have the strong belief that this camaraderie and sense of community will last long after the cleanup and subsequent restoration. This may be the one good thing to come of this tragedy.

On a happier note, I got engaged to my fiancée Chelsea Emery, in May.

We are to be married in Portland, Oregon on September 1, 2002.

Stephen Swalsky works in the VH1/CMT law and business affairs office. He earned his BA (specialization in Psychology) in 1989 and his LLB in 1993 from the University of Alberta.

Terrorism comes to 'my city'

I say that New York is 'my city' but of course that is only because it is a place of frequent enjoyment for myself, my wife Delicia, and our baby boy Joseph Samuel (a U.S. citizen). While Delicia and I were born and raised in the areas surrounding Edmonton, Alberta, our life has given us many great opportunities, including the chance to enjoy New York City.

We have been somewhat mobile since I started working for IBM Canada Ltd.'s Edmonton branch straight out of the U of A Business School in 1990. Delicia, (Brokop – 1989 Arts) and I were married shortly before IBM relocated us to the Toronto office in 1992. I now work primarily in the Somers, New York office (about 40 minutes north of the city) and also attend meetings in Manhattan.

During the last four years we have been very excited to share the city with the many relatives and friends who have visited us from Canada. Our tour always included a trip up to the 107th floor of the north tower to enjoy lunch and the view

from the Windows on the World restaurant. It was always fun to point out airplanes and helicopters that would seem to fly closely by, hundreds of feet below your lunch table! Lunch was usually followed by ice cream from the Ben & Jerry's in the underground labyrinth between the two towers. Strangely enough, when the tragedy was unfolding, that simple ice-cream stand was one of the first things I thought of. Now it is part of the WTC crater.

I fear that we will see much more destruction around the globe as the U.S. drives to eliminate organized terrorism, but I'm not sure if a peaceful solution exists.

After watching Joseph play with other children in our local park this morning (it's just another Saturday for them, thankfully), I find myself thinking that other countries need to learn that the penalty for contributing to organized terrorism is so absolutely harsh and final, no one will consider it again. Maybe if I never lived in the U.S., and never made New York City part of my life, I would not feel that way. But I do live here and I hope the U.S. response will be balanced, disciplined, and will make it difficult for organized terrorism to ever repeat a tragedy like this again. Anywhere.

Kevin Yaremchuk graduated with a BCom in 1990 from the U of A.

'I was running for my life'

The American Express HQ office, where I work, is in the World Financial Center, just across the street from the World Trade Center (WTC). Every day, I take the subway to the WTC Station and can get to my office through the WTC underground mall and the footbridge connecting the two complexes without going out to the streets. The walk takes approximately five minutes. On Sept. 11, I was on my way to work as usual. I was just about to enter the WTC underground mall and saw people shouting and running out. I just followed the crowd to get to the streets. Once out on the streets, I saw the top of one of the towers was on fire. I thought it was an accident (maybe from the restaurant), but felt kind of strange because it was early in the morning and the fire was pretty big and spreading over several floors.

I was still trying to get to the office by walking around the WTC complex. Then I noticed an airplane flying very low heading towards the buildings. That was the moment I began to panic. I was running away from WTC as fast as I could, not knowing what kind of explosion might occur. This was really the first time I was running for my life. At a comfortable distance, I stopped for a while listening, with many other people, to radios in stopped cars. Then I learned that the airplanes were hijacked and the Pentagon was also hit by an airplane. After some time, the first tower collapsed. I could not imagine such a tall and big building could disappear in seconds, in front of my eyes. After 30 minutes, the second tower also fell down. Suddenly I felt the U.S. was so vulnerable. The attacks were very well planned. The police advised us to keep walking north because they were afraid that biological weapons may be used.

Since Tuesday, I was glued to the TV. Our office building has major damage and we do not expect to go back for months. I'm still waiting to hear from my boss where we will be working temporarily.

God Bless America!
Geoffrey Yan graduated with a BCom in 1986 from the U of A. He works in the market research department at American Express in NYC.

notices

Please send notices attention Folio, 6th floor General Services Building, University of Alberta, T6G 2H1 or e-mail public.affairs@ualberta.ca. Notices should be received by 3 p.m. one week prior to publication.

EFF - UNIVERSITY TEACHING RESEARCH FUND — APPLICATION DEADLINE

The deadline for receipt of applications to the EFF - University Teaching Research Fund is October 15.

This fund was established to encourage and support research on teaching-learning. The primary purpose of this fund is to enhance the level and quality of teaching research and curricula development in the University. Funding priorities include research projects that have the potential of contributing to the increased effectiveness of university teaching, learning, and curricula development.

Application forms are available from the Office of the Associate Vice-President (Academic), 2-10 University Hall, phone: 2-1503; also on our website <http://www.ualberta.ca/provost/awards&funding.htm>

UNIVERSITY OF ALBERTA SUPPLY MANAGEMENT SERVICES ORIENTATION SESSIONS

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The sessions will be held in the Materials Management Building. The tour will begin with an information session in the third floor (new) Conference Room and will be followed with a tour of the facility. Please register in one of the following sessions:

Tuesday, Oct. 2, 2001 9 - 11 AM.

Wednesday, Oct. 3, 2001 1:15 - 3 PM.

If you are interested in attending one of these sessions, please call Colette @ 492-5438 or E-mail to colette.sych@ualberta.ca

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We offer Canada's only accredited four-year, full-time professional program educating doctors of naturopathic medicine, regulated general practitioners of natural medicine.

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Mary Beth Michaels, Recruitment Co-ordinator
will be present at "Career Days"
on Wednesday, September 26 from 10 a.m. to 4 p.m.
in the Butterdome

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events

CANADIAN COCHRANE SYMPOSIUM 2001

The Canadian Cochrane Symposium 2001 will be held in Edmonton, Alberta November 22-24, 2001. Location: Bernard Snell Hall. Times: 8:30 a.m. to 9:30 p.m. The Symposium will include presentations and hands-on sessions focused on the theme of "Marketing the Evidence" for good healthcare decision making. Speakers will cover the Canadian and International perspectives of this topic. For more information, please visit the Symposium website at: <http://www.ualberta.ca/CCNC/symposium2001>

CANADIAN CONGRESS ON LEISURE RESEARCH

10TH CANADIAN CONGRESS ON LEISURE RESEARCH MAY 22-25, 2002

The triennial CCLR, sponsored by the Canadian Association for Leisure Studies and hosted by the University of Alberta Faculty of Physical Education and Recreation, will be held in Edmonton. General information on the Congress, as well as specific information on the recently announced Call for Papers, can be found at www.eas.ualberta.ca/cclr10/

DEVONIAN BOTANIC GARDEN

The Devonian Botanic Garden Crafters' Association invites you to their annual fall craft sale on September 29 and 30, 2001 from 10:00 a.m. to 4:00 p.m. Assortment of dried floral creations, dried floral material, potpourri, candles and other gift items for sale. Free admission. For more information please contact Helga van Meurs, Devonian Botanic Garden, 987-3054.

EMILY CARR COUNTRY MULTIMEDIA PRESENTATION

Multimedia Presentation by photographer Courtney Milne at the Provincial Museum on November 14, 2001 at 7:00 p.m. Sponsored by the Hope Foundation of Alberta. For tickets call 492-1222. Tickets \$18.00 (early), \$20.00 (at the door).

EXHIBITION

The Canadian Centre for Austrian and Central European Studies and the Department of Art and Design of the University of Alberta are pleased to present a parallel travelling exhibition at the Fine Arts Building, 2nd and 3rd floor hallways, from August 2 to October 8, 2001. Exhibit features 92 facsimile prints of graphic works and watercolours by Gustav Klimt (1862-1918) and his controversial younger contemporary, Egon Schiele (1890-1918) from the Albertina Collection of Graphic Art, Vienna. Gallery hours: weekdays 8:00 a.m. to 6:00 p.m., Sunday 2:00 to 5:00 p.m. Closed Statutory Holidays. For further information please contact the Canadian Centre for Austrian and Central European Studies, 492-9408. Email: ccaucses@ualberta.ca

EXHIBITION

McMullen Gallery, University of Alberta Hospital, featuring "Big and Brave" from August 25 to November 4, 2001. This exhibit demonstrates what print artists can create when faced with a challenge. Gallery hours: Monday to Friday, 10:00 a.m. to 8:00 p.m. Saturday and Sunday, 1:00 to 8:00 p.m. The McMullen Gallery is located at 8440 - 112 Street. For more information, please contact Dawn McLean, dmclean@cha.ab.ca or Michelle Casavant, mcasavan@cha.ab.ca Telephone: 407-7152.

BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Illustrated British Novels: 1800-1899. Bruce Peel Special Collections Library, Rutherford South. Hours: 8:30 a.m. to 4:30 p.m. Monday to Friday. For more information, please contact Jeannine Green, 492-7928.

LUNCH & LEARN PRESENTATIONS

Health Recovery Support Unit, Human Resources September 27, 12:00 p.m. - 1:00 p.m.
Alan Smitten, Lousage Institute, presents "Balancing Stress at Work and Home."
Presentations take place in Heritage Lounge, Athabasca Hall. Cost: Free! Snacks and cold beverages will be provided. Seating is limited. To register or for more information contact Sarah Treby, 492-0659 or email: sarah.treby@hrs.ualberta.ca. Self Help Information Line, 492-8444 or visit our web site www.hrs.ualberta.ca/efap/news/ for an updated list of all workshops and other offerings.

MEDICAL EDUCATION ADVANCE

Department of Medicine
October 2, between noon and 5:00 p.m.
The Department of Medicine is proud to announce it will be hosting a Medical Education Advance at Bernard Snell Hall. This Advance will be of interest and benefit to medical educators, researchers, and clinicians alike as it will cover a wide spectrum of educational topics. This promises to be an exciting event with well known keynote speakers invited to address: Dr. J. Turnbull, University of Ottawa, "Professional Behaviour in Medicine." Dr. R. Hayward, University of Alberta, "Information Technology." Dr. K.

Mann, Dalhousie University, "Thinking About Learning." Dr. C. Hodgson, University of California, "The Clinical Educator & Scholarly Work." For information contact: tom.marrie@ualberta.ca or doris.kurtz@ualberta.ca

DEPARTMENT OF MUSIC

September 21, 8:00 p.m.
Music at Convocation Hall. Marnie Giesbrecht, organ.
September 22, 8:00 p.m.
Faculty Recital. Tanya Prochazka, solo cello.
September 24, 12:00 noon
Noon-Hour Organ Recital. Variety of organ repertoire played by students, faculty and guests of the U of A Department of Music. Free admission.
September 25, 3:30 p.m.
Lecture/Demonstration by James Jordan, Distinguished Visitor, "The Musician's Soul." Fine Arts Building, 1-29. Free Admission.
September 29, 1:00 p.m.
Lecture/Demonstration by James Jordan, "Aspects of Choral Conducting." Fine Arts Building, 1-29. Free admission.
September 29, 8:00 p.m.
Roger Admiral, piano.
October 1, 12:10 p.m.
Music at Noon, Convocation Hall Student Recital Series. Free admission.
October 2, 12:00 noon
Lecture/Workshop "Structural Damage." Fine Arts Building, 2-7. Free admission.
October 2, 8:00 p.m.
New Music Concert, "Structural Damage." Fine Arts Building, 2-7.
October 2, 8:00 p.m.
The University of Alberta Academy Strings. Tanya Prochazka, conductor, with Chamber Winds, Malcolm Forsyth, conductor.
Unless otherwise indicated, admission: \$5/student/senior, \$10/adult. Convocation Hall, Arts Building. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information.

PHILOSOPHERS' CAFÉ

Saturday, October 13, 1:30 p.m.
Bev Dahlby, Economics, presents "Should Alberta eliminate its personal income tax and replace it with a sales tax?" Room 2-37 Humanities Centre.

PHYSICAL EDUCATION AND RECREATION

Research Participants Wanted. Volunteers aged 50 and up are invited to participate in a research study. Men and women who are currently NOT exercising regularly, and who wish to do so, are invited to take part in a one year research project starting this fall. Purpose of study is to monitor personal motivation for physical activity and how some people may talk themselves out of participating. The study has ethics approval from the Faculty of Physical Education and Recreation. To register or obtain more information, call Dr. Sandy Cousins at 492-8507.

STANDARD FIRST AID/HEARTSAVER COURSES

The Office of Environmental Health & Safety has arranged for Standard First Aid/Heartsaver courses to be held on campus once again this year. The training is comprised of two full-day sessions (8:00 a.m. to 4:00 p.m.) with morning, lunch and afternoon breaks. The cost is \$80.00 per person. The first course will be held in early April and the last at the end of October. Registration is limited due to classroom size. For further information and registration forms please call Cindy Ferris at 492-1810 or e-mail cindy.ferris@ualberta.ca

STUDIO THEATRE

The 2001-2002 season kicks off with Bertolt Brecht's "The Caucasian Chalk Circle," from September 20-29, 2001. Join us for this epic tale of adventure and morality directed by MFA Directing Candidate Barbra French. All evening performances begin at 8:00 p.m. Matinees on the second Thursday of each run begin at 12:30 p.m. For more information, please call the Box Office at 492-2495. The Box Office is open Tuesdays to Fridays, noon to 5:00 p.m. Studio Theatre is located in the world-class Timms Centre for the Arts, on the corner of 87 Avenue and 112 Street.

MADRIGAL SINGERS CD RELEASE

Sept. 28, 4 p.m., Studio 27 (second floor, Fine Arts Building)

The award-winning University of Alberta Madrigal Singers, Leonard Ratzlaff, conductor, are delighted to announce the release of their third CD, *My Soul, There is a Country...*, featuring choral music by Canadian and British composers. The Madrigal Singers have distinguished themselves over the past decade, winning numerous competitions. Most recently, they won the Fleischman International Trophy Competition at the Cork Choral Festival in Ireland in May 1999, and their recording of Christmas music, *Balulalow*, (also an Arktos release) was awarded the National Choral Award in July 2000 as the best Canadian choral recording of the previous two years.

Ads are charged at \$0.65 per word. Minimum charge: \$6.50. All advertisements must be paid for in full by cash or cheque at the time of their submission. Bookings may be made by fax or mail provided payment is received by mail prior to the deadline date. Pre-paid accounts can be set up for frequent advertisers. Please call 492-2325 for more information.

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BELGRAVIA nicely updated 1,260’ bungalow. Developed basement, hardwood floors, great location. \$239,500. Ed Lastiwka, Royal LePage, 431-5600.

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talks

Submit talks and events to Cora Doucette by 9 a.m. one week prior to publication. Fax 492-2997 or e-mail at cora.doucette@ualberta.ca.

DEPARTMENT OF BIOLOGICAL SCIENCES

September 21, 12:00 noon
Merritt Turetsky, “Peatlands and Permafrost in Western Canada.” Room BS M-145, Biological Sciences Building.

September 21, 4:00 p.m.
Bruce Stevenson, “ZO-3: Another Link Between the Tight and Adherens Junctions?” Room M-149 Biological Sciences.

September 25, 1:00 p.m.
Stephanie D. Zaklan, “Evolution of the Family Lithodidae (Crustacea, Anomura, Paguroidea). Thesis PhD. Room CW313 Biological Sciences.

September 26, 12:00 noon
Helene Volkoff, “Neuropeptide mechanisms regulating energy balance: from goldfish models to human obesity.” Room G-116 Biological Sciences Building.

September 26, 12:00 noon
Sam Scanga, Thesis PhD, speaking on “UDP-glucose dehydrogenase: A gene involved in the biosynthesis of Heparin-like GAGs which is required for dpp signaling in Drosophila melanogaster.” Room CW313 Biological Sciences Building.

September 28, 12:00 noon
David Schindler, “The Biogeochemistry and Toxicology of Airborne Organochlorine Pesticides in Alpine and Northern Aquatic Ecosystems.” Room BS M-145, Biological Sciences Building.

September 28, 4:00 p.m.
Bart Hazes, “Detecting distant homologies to proteins of known structure; tools, tricks, and examples.” Room M-149 Biological Sciences Building.

October 5, 12:00 noon
David Shorthouse, “Untangling the threads of boreal spider bioindication.” Room BS M-145, Biological Sciences Building.

SCHOOL OF BUSINESS, VISITING SPEAKER SEMINAR

September 21, 3:30 p.m. to 5:00 p.m.
Arnie Wright, Boston College, speaking on “The Impact of a Prior Audit Program and Risk Checklists on the Planning of Fraud Detection Procedures.” Room 1-06 Business Building.

September 28, 3:00 p.m. to 5:00 p.m.
Shyam Sunder, Yale University, “Standards for Corporate Financial Reporting: Regulatory Competition Within and Across National Jurisdictions.” Room 1-06 Business Building.

October 5, 3:30 p.m. to 5:00 p.m.
Jeff Gramlich, University of Hawaii, “Taxes, Keiretsu Affiliation, and Income Shifting.” Room 1-06 Business Building.

CAMPUS RECREATION

September 21, 12:10 to 1:00 p.m.
Donna Martin, MA, “Yoga and Psychotherapy.” Room E-121, Van Vliet Centre.

CELL BIOLOGY

September 24, 9:30 to 10:30 a.m.
Alberta Heritage Foundation for Medical Research guest speaker Dr. Andy Fischer, University of Washington, “Sources of neural regeneration in the retina.” Seminar Room, 5-10 Medical Sciences Building.

CENTRE FOR RESEARCH FOR TEACHER EDUCATION AND DEVELOPMENT

September 26, 12:30 to 2:00 p.m.
Dr. Radha Krishnan, New Delhi, “Societal Change in Human Rights: A Gandhian Perspective.” Room 633 Education South. For further information, please contact: D. Jean Clandinin, 492-7770 extension 290.

COMPARATIVE LITERATURE, RELIGION, FILM/MEDIA STUDIES

October 12, 8:00 p.m.
Rey Chow, Andrew W. Mellon Professor of the Humanities and Professor of Comparative Literature and Modern Culture and Media, Brown University, “Sentimental Returns: On the Uses of the Everyday in the Recent Films of Zhang Yimou and Wong Kar-wai.” Room 1-5 Business Building.

COMPUTING SCIENCE DEPARTMENT

September 24, 3:30 p.m.
Ian Witten, University of Waikato, Hamilton, New Zealand, “Browsing around a digital library.” Room 243, Central Academic Building.

JOHN DOSSETOR HEALTH ETHICS CENTRE

September 21, 12:00 to 1:00 p.m.
Bill Andersen and Gordon Stogre present “Jehovah’s Witness and Blood.” Room 207, Heritage Medical Research Centre.

DEPARTMENT OF ENGLISH

September 21, 2:00 p.m.
Lindon Barrett, University of California at Irvine, “The Market and the Impossibility of Racial Blackness: U.S. Federalism and the Rhetoric of the People.” Humanities Centre, Room 4-29.

Department of English hosting Distinguished Visitor Jan Radway, Duke University from October 1 to October 5 inclusive.

October 1, 3:00 p.m. lecture “On the Sociability of Reading: Book History and the Possibilities for Rethinking the Social.” TB 45

October 3, 3:00 p.m. lecture “Learned Culture and the Shape of the Literary Field in the U.S., 1880-1950.” Room HC L-1.

October 5, 7:30 p.m. Town and Gown presentation at Orlando Books, 10123 – 82 Avenue, 432-7633. “Girls, Zines, and the Struggle to Fabricate New Subjectivities in an Age of Unceasing Circulation.”

HISTORY AND CLASSICS

September 27, 3:30 p.m.
Dr. Larry Aronsen, “Race, Class, and Gender in the Soviet Gulag: Japanese POWs 1945-1950.” Room 2-58 Tory Building.

October 4, 3:30 p.m.
Nicole Brossard, “She would be the first sentence of my next novel.” First Annual Women’s Studies Lecture. Room 1-09 Business Building.

October 5, 12:00 noon
Nicole Brossard, “Around Silence and Precious Words.” Room L-3 Humanities Centre.

INTERNATIONAL INSTITUTE FOR QUALITATIVE METHODOLOGY

September 26, 12:00 noon
Janice M. Morse and Dan Given, “Introducing the International Journal of Qualitative Methods: A New Electronic Journal.” Room 6-10 University Extension Centre.

October 3, 12:00 noon
Vincent Ho, Free University of Amsterdam, Netherlands, “Ethics and Science, Ethics in Science.” Room 6-10 University Extension Centre.

MEDICINE AND DENTISTRY

The 2001 Honourable Mr. Justice Michael O’Byrne/AHFMR Lectures on Law, Medicine and Ethics. On Tuesday, October 16, 12 noon to 1:00 p.m.
Jocelyn Downie, Dalhousie University, will present the lecture, “Promises and Perils: Health Research in the New Millennium.” Room 207 Heritage Medical Research Building.

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ST. GEORGE'S ANGLICAN CHURCH
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- ◆ **Annual Blessing of the Animals. Saturday, September 29, 2001, 3 pm.** Treats for pets and owners after ceremony.
 - ◆ **"Sing Praise Old and New".** Historical aspects of liturgical music with Dr. Frank Henderson, liturgical scholar, and University of Alberta Mixed Chorus, Dr. Bob de Frece, director. Wine and cheese reception to follow. **Friday, October 12, 2001, 7:30 pm.** Tickets are \$5.00.
 - ◆ **Where?** 11733 - 87 Ave., 439-1470.
- Sunday services are 8:00 am and 10:00 am and you are warmly welcome to join us.**

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Program requirements: Candidates must have a minimum of three years of study (15 full-year credits) at an accredited university, including required prerequisite courses.

Mary Beth Michaels, Recruitment Co-ordinator
will be present at the Health Sciences Career Fair
on Saturday, September 29 from 10 a.m. to 4 p.m.
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SEPTEMBER 24, 2001 GFC AGENDA

Agenda items include:

- Oral Report Regarding Administrative Information Systems (AIS)
- Faculty of Arts: Proposed Elimination of the Canadian Studies Program: Recommendation of the GFC Academic Planning Committee (APC)
- Selection of Undergraduate Students on Selection Committees for Department Chairs: Proposal from the Students' Union
- Selection of Undergraduate Students on Selection Committees for Deans: Proposal from the Students' Union
- 2002/2003 University Budget Critical Path
- For further information on these and remaining items on the agenda, please view: www.ualberta.ca/~unisecr/

DEPARTMENT OF PHYSICS

September 28, 3:15 p.m.
Dr. Robert Rankin, "Space Weather Modeling, Auroral Arcs and Dispersive Nonlinear Field Line Resonances." Room V-129 Physics Building.

SCHOOL OF LIBRARY AND INFORMATION STUDIES

October 1, 4:00 to 5:00 p.m.
Dr. Terry Cook, University of Manitoba, "Archival Education in Canada Today, Current Trends and Future Prospects." Room 117A, Rutherford South.

UNIVERSITY TEACHING SERVICES

September 24, 3:30 to 4:30 p.m.
Jerry Leonard, Agricultural, Food, and Nutritional Science, presents "Teach me This Stuff. Go Ahead. Try!" Room 281 Central Academic Building.
September 25, 3:00 to 4:30 p.m.
Ed Nicholson, Elementary Education, interactive workshop on "Asking Good Questions to get Good

Answers." Room 281 Central Academic Building.

September 27, 4:15 to 6:15 p.m.
Susan Stein, Computing and Network Services, workshop on: "What is WebCT? Is it for me?" in Technology Training Centre.

October 1, 3:00 to 4:30 p.m.
David Sharp, Discipline Officer, Deborah Eerkes, Student Ombudsman, and Iva Spence, University Secretariat workshop on "Avoid the Ultimate Stress in Teaching: Know the Code of Student Behavior." Room 281 Central Academic Building.

October 2, 4:30 to 6:00 p.m.
Greg Cole, Agricultural, Food and Nutritional Science, workshop on "Managing Student Marks with MS Excel," in Technology Training Centre.

October 3, 3:00 to 4:30 p.m.
Maggie Haag, Biological Sciences, workshop on "Classroom Dilemmas: Situational Teaching." Room 281 Central Academic Building.

positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIP). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. If suitable Canadian citizens and permanent residents cannot be found, other individuals will be considered. The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and aboriginal persons.

The records arising from these competitions will be managed in accordance with the provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIP).

**VICE PRESIDENT
FINANCE AND ADMINISTRATION**

A creative thinker and accomplished executive, you will bring a complementary innovative style to the University of Alberta's already successful executive leadership team. Inject vision and aggression into the organization's strategic plan. Identify creative approaches to meeting capital requirements. Direct the continuous evolution of responsive financial and administrative systems and processes. Oversee the investment of \$750 million in endowments and other financial assets. Support and guide human resources, finance, procurement, budgeting, grants and trust funds.

In addition to your first class professional and academic credentials and highest level leadership experience in the public or private sector, you have won your own acclaim for creative change management. Now, make your home in the wonderful City of Edmonton. Be a financial architect and a champion of innovation.

All responses to The Caldwell Partners are confidential. The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIP). The University of Alberta hires on the basis of merit, and is committed to the principle of equity in employment. Diversity is welcomed, and applications are encouraged from all qualified women and men, including persons with disabilities, members of visible minorities, and aboriginal persons. Please indicate your interest in Project XXXX through the Opportunities section of www.caldwell.ca, by email to calgary@caldwell.ca, by fax to 403.263.6508, or in writing to 3450, 400 - 3rd Avenue SW, Calgary, Alberta, T2P 4H2.

**LIBRARIAN
DIGITAL INITIATIVES TECHNOLOGY**

Digital collection building, reference linking, integrated search interfaces, e-reserve, XML-based data exchange. Are you looking for a library job that is definitely out of the ordinary?

The University of Alberta Libraries is looking for a dynamic technology specialist to complete its digital initiatives team. You will provide technical leadership and support at the library system level for digital collection building and management under the Peel Prairie Portals initiative (site prototype - www.peel.library.ualberta.ca) and for access technologies related to the library's digital collections and e-resources, including resource linking and integration into local and provincial search interfaces.

As a member of the information technology resources and services portfolio, you will work with other librarians and technical staff in the digital initiatives working group, and with public services librarians in the application of these technologies to library

portal services including e-reference, electronic reserves and document delivery, online government information and data library services. You will consult with library and other campus technology specialists and with vendors related to digital library and imaging software/hardware. Your external involvement will include work on digital library activities with librarians at other institutions through The Alberta Library (TAL) and the Canadian Initiative for Digital Libraries (CIDL).

The University of Alberta Library is Canada's second-largest research library, with an active program of electronic information products, Web development supporting collections and services, and digital library initiatives in areas such as document delivery, graphic image and data collections, and Internet resource cataloguing. For more information, visit our web site at www.library.ualberta.ca.

Qualifications, Preferred Skills and Experience:
Master of Library Science from an ALA accredited institution.

Experience in technology planning; preparation of technical and functional specifications (image capture, database design, search and presentation features); software evaluation; system configuration and management; staff training and technical support.

Knowledge of information technology trends and their application to emerging digital library issues such as image display, metadata standards, authentication, integration/reference linking technologies, search standards and protocols, skills in relational database design (MySQL, Oracle), a working knowledge of presentation mechanisms/languages (CSS, Javascript, XML/XSL), programming languages (Cold Fusion, PERL, PHP, Java), and of web server OS environments. Windows 2000/NT and IIS, UNIX/Solaris, Linux and Apache) would be strong assets.

Strong communication and interpersonal skills, and successful participation in collaborative work environments. Experience in overseeing the work of programmers highly desirable. Front-line experience in library public services and collection development an asset. Enthusiasm, resourcefulness, organizational skills, and a sense of humour are essential.

Applicants are encouraged to provide with their applications examples of their work, either as URLs or files on disk.

Salary and Rank:

This tenure-track position is classified at the Librarian 2 level with a current salary range of \$53,437 to \$80,989. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for the position is September 30, 2001.

To Apply:

Please mail, fax or e-mail your résumé and the names of three references to:

Karen Adams
Director of Library Services and Information Resources

Cameron Library
University of Alberta
Edmonton, AB,
T6G 2J8

Fax: (780) 492-8302

E-mail: karen.adams@ualberta.ca

The University of Alberta has a clear vision - to be indisputably recognized as one of Canada's finest universities. The university's vision of the optimum environment for learning and research demands major investment in information technology services and infrastructure, innovative and resourceful staff and commitment to a dynamic process of change. Further information is available on the university's home page at <http://www.ualberta.ca>.

**LIBRARIAN
METADATA AND CATALOGUING**

The University of Alberta Libraries, with a long tradition of service excellence to the University and its communities, seek a dynamic individual for the new position of metadata and cataloguing librarian. Working within a team environment, the successful candidate will evaluate and apply established and emerging metadata schemes to information resources and provide expertise and leadership in policy development relating to metadata for electronic resources. Responsibilities include cataloguing and classification of materials in various formats using both traditional and emerging methods; monitoring developments in metadata standards and supporting technologies; analysis, design, implementation, and evaluation of metadata schemes for various types of electronic resources including library digitization projects; evaluation and selection or design of tools to support metadata creation, harvesting and migration; acting as a system-wide resource and providing staff training and awareness relating to creation and use of catalogue records and other metadata; development and application of performance measures for the effectiveness of metadata in meeting user needs; liaison with consortium partners and other campus groups, including collaboration on projects; and participation when appropriate in regional, national and international initiatives to promote shared development and use of metadata and its standards and practices. Responsibilities may also include provision of reference services or collection management/liaison services.

The University of Alberta Library is Canada's second-largest research library, with a collection exceeding five million volumes. The library has a unique relationship with the broader community through NEOS, a central Alberta consortium consisting of 19 government, hospital, college and university libraries and through its relationship with an external partner, OCLC, for cataloguing of most materials. Visit our website at <http://www.library.ualberta.ca>.

Qualifications, Preferred Skills and Experience:
Master of Library Science from an ALA accredited institution.

Relevant experience with AACR, LCSH, LC classification, MARC21 and library automated systems.

Experience or familiarity with emerging metadata schemes and tools such as Dublin Core, CORC, EAD, TEI, XML and RDF would be an asset.

The ability to work independently and effectively as a team member in a dynamic and production-oriented environment and possession of strong communication and organizational skills is essential as well as an aptitude for complex, analytical work and the ability to prioritize work to ensure that departmental and Library goals are realized.

Front-line experience in library public services would also be regarded as an asset.

Salary and Rank:
This tenure-track position is classified at the Librarian 1 level with a current salary range of \$38,332 to \$70,320. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for the position is September 30, 2001.

To Apply:
Please mail, fax or e-mail your résumé and the names of three references to:

Karen Adams
Director of Library Services and Information Resources

Cameron Library
University of Alberta
Edmonton, AB.,
T6G 2J8
Fax: (780) 492-8302
E-mail: karen.adams@ualberta.ca

The University of Alberta has a clear vision – to be indisputably recognized as one of Canada's finest universities. The university's vision of the optimum environment for learning and research demands major investment in information technology services and infrastructure, innovative and resourceful staff and commitment to a dynamic process of change. Further information is available on the university's home page at <http://www.ualberta.ca>.

**RESEARCH ASSOCIATE
DEPARTMENT OF AGRICULTURAL, FOOD AND
NUTRITIONAL SCIENCE**

The Department of Agricultural, Food and Nutritional Science at the University of Alberta is seeking a full-time research associate to conduct research in molecular microbiology related to food and intestinal microorganisms, to co-ordinate activities in the Food Microbiology Laboratory and to take on teaching responsibilities at the undergraduate and graduate level in food microbiology. The candidate must have a PhD with demonstrated expertise in both molecular biology and food microbiology. Experience in teaching is desirable. The position offers a salary range of \$35,000 - \$45,000.

Applications, including a statement of research and teaching interests, curriculum vitae, and the name of three referees should be sent by November 10, 2001 to Dr. Gwen Allison,
Assistant Professor, Food Microbiology,
Department of Agricultural, Food and Nutritional Science,

University of Alberta,
Edmonton, AB.,
T6G 2P5.

The candidate would be expected to start any time after December 1, 2001. For further information on this position contact Dr. Gwen Allison at (780) 492-9841 / (780) 492-4265 (fax), e-mail gwen.allison@ualberta.ca or visit our web site at www.afns.ualberta.ca.

**ASSISTANT OR ASSOCIATE
PROFESSOR
COMMUNICATIONS AND
LEARNING TECHNOLOGIES
FACULTY OF EXTENSION**

The Faculty of Extension, University of Alberta, invites applications for the tenure-track position of Assistant or Associate Professor of Communications

and Learning Technologies. The successful applicant will be expected to teach in the faculty's innovative graduate program, the Master of Arts in Communications and Technology (MACT), and to develop a productive research program in the area of the organizational and social implications of the application of communications and learning technologies.

The position requires a demonstrated research orientation and an ability to teach in one or more of the following areas: communications in electronic and social networks, organizational communications, interpersonal and small-group communications, the design of human-computer interfaces, electronic commerce, and methodologies in communications research. Individuals with expertise in the design of computer-mediated professional and workplace programs are encouraged to apply. The successful applicant will have a doctorate in communications or a relevant discipline, completed or to be completed at the

time of appointment.

After only two years of operation, the MACT has become the largest online master's degree of its kind in Canada, with 40 students from across the country currently enrolled in the program. Offered part-time through the Internet and on campus at the University of Alberta, the degree is designed for working professionals providing communications and technology leadership in their organizations.

The successful candidate will join a dynamic program of research and teaching in continuing professional education in the Faculty of Extension. She or he will be encouraged to contribute to and support activities in appropriate areas within the Faculty, including the Academic Technologies for Learning unit, which provides university-wide leadership in instructional development, faculty development, and research related to learning technologies.

Applications, including curriculum vitae and three letters of reference, should be sent to:

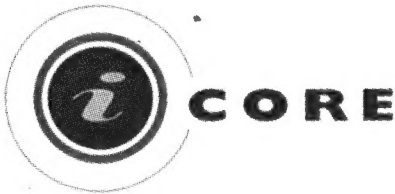
Industrial Chair Establishment Grants

www.icore.ca

**The Alberta Informatics Circle of
Research Excellence (iCORE)
is joining with industry and NSERC
to create iCORE Industrial Chairs
at Alberta universities.**

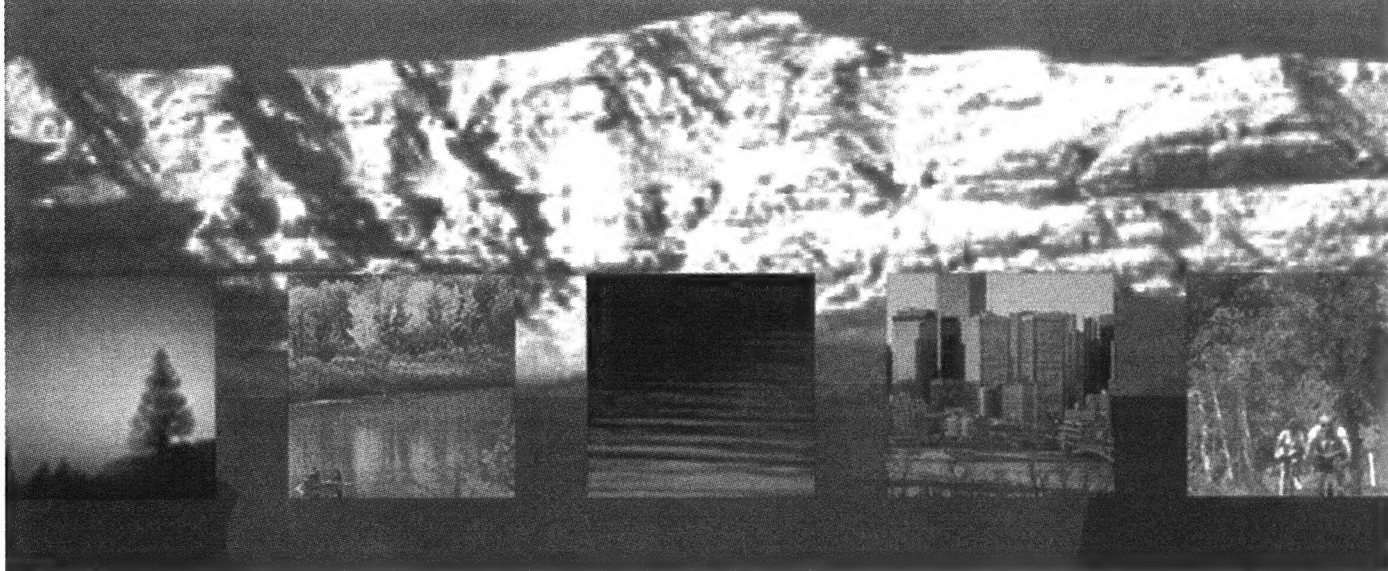
**These positions provide industry access to
the highest caliber, internationally competitive
research in information and communications
technology (ICT), with costs shared by
federal and provincial partners.**

Program details can be found at www.icore.ca.

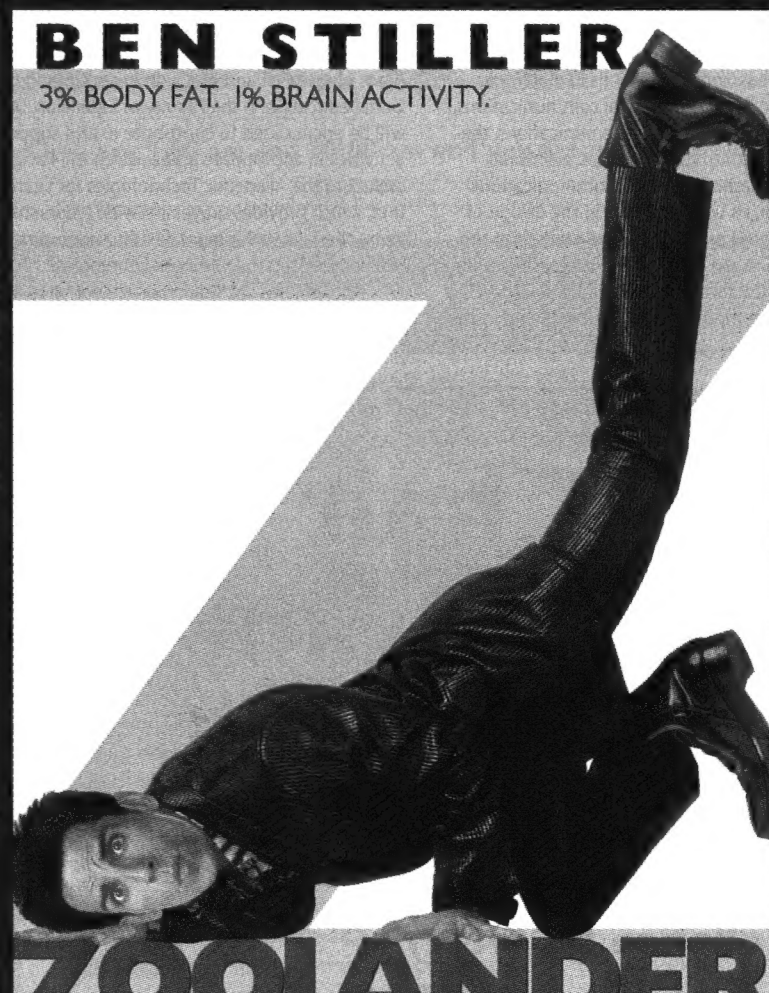


**Potential industry partners and researchers should contact
Lynn Sutherland, Director of Programs, at (403) 210-5335 or info@icore.ca.**

EXTREME COMPUTING



BEN STILLER
3% BODY FAT. 1% BRAIN ACTIVITY.



ZOOLANDER

PARAMOUNT PICTURES AND VILLAGE ROADSHOW PICTURES PRESENT IN ASSOCIATION WITH VMT AND MPV ENTERTAINMENT A SCOTT RUDIN AND RED HOUR PRODUCTION A BEN STILLER FILM BEN STILLER
"ZOOLANDER" OWEN WILSON WILL FERRELL CHRISTINE TAYLOR JULIA JONOVICH JERRY STILLER AND JON VOIGHT "OUT" JAMES RAYNOLD POSTER AND GEORGE BRANDOLUS AND CELIA COSTAS
EDITED BY GREG HAYDEN PRODUCED BY SCOTT RUDIN STANDEER JAMES BARRY PETERSON JAMES JOEL GALLER ADAM SCHROEDER LAUREN ZALAZNYK "DRAGON SAYER" A BEN STILLER
DIRECTED BY DRAGON SAYER A BEN STILLER AND JOHN HAMBURG PRODUCED BY SCOTT RUDIN BEN STILLER STUART CORNFELD "A BEN STILLER
VILLAGE ROADSHOW PICTURES
SUBJECT TO CLASSIFICATION
www.derekzoolander.com

IN THEATRES EVERYWHERE SEPTEMBER 28

Dr. Gerry Glassford,
Acting Dean, Faculty of Extension,
University of Alberta,
University Extension Centre,
8303 - 112 Street,
Edmonton, AB.,
T6G 2T4

Deadline for submissions is October 31, 2001.
Date of appointment is flexible, but a (negotiable)
January 2002 start date is anticipated. More informa-
tion about the MACT can be found at
<http://www.extension.ualberta.ca/mct/>. Interested
individuals may contact Dr. Marco Adria, Director,
Master of Arts in Communications and Technology (e-
mail: marco.adria@ualberta.ca; telephone: (780) 492-
3655).

ACADEMIC ANALYST INFORMATION DEVELOPMENT

The Information Development Office produces
statistics on all major aspects of university operations,
performs ad-hoc studies and provides an analytic
resource for decision makers, and develops sources of
historical university information and methods for dis-
tributing information to the university community.
Within this office, the academic analyst is responsible
for conducting studies using university information,
and for providing expert decision support services
and consultative support. As well, the academic ana-
lyst prepares and distributes multidimensional data
marts for various business functions, for use with
OLAP tools, within a co-ordinated data warehousing
strategy.

The successful applicant will have a graduate
degree in a related area, several years' experience
working with university management information,
advanced level experience with Cognos Impromptu
and PowerPlay Administrator as well as with
Microsoft Office products, and excellent written and
oral communication skills. Knowledge of issues and
concerns in post-secondary education and familiarity
with current and recent issues of performance report-
ing at the University of Alberta will be an asset, as will
knowledge of reporting and information access
methods in a PeopleSoft environment.

This is a full-time Administrative/Professional
Office position. The 2001-02 salary range is \$44,172 -
\$69,946. Please send a résumé and a list of three refer-
ences by Friday, October 5 to:

Mr. Bill Cairns,
Director, Information Development,
University of Alberta,
1-16 University Hall,
Edmonton, AB.,
T6G 2J9

EXECUTIVE OFFICER THE SENATE

The University of Alberta Senate invites applica-
tions for the position of executive officer.

This is a 12-month, full-time APO contract posi-
tion for the term January 1, 2002 - December 31, 2002
inclusive. The position, which carries a salary range of
\$42,214 - \$66,840, reports to the Chancellor of the
University. An opportunity for the secondment of a
current University staff member would be considered.

The executive officer (EO) is the key resource per-
son for the 62-member volunteer Senate, its commit-
tees and task forces and also acts as the executive
assistant to the Chancellor. The EO provides adminis-
trative continuity and managerial expertise in an
environment of frequent change.

The EO will ensure that Senate members, pro-
grams and initiatives are supported and managed
efficiently on a day-to-day basis. Specific accountabili-
ties include liaison and communication, finance and
budget, strategic planning, event and program orga-
nization and operation, meeting and committee
resource, liaison with internal departments and exter-
nal agencies, and overall management of the Senate
Office. The EO will maintain the Chancellor's schedule,
draft correspondence, briefings and speaking notes
and provide proactive, high-quality administrative
and strategic support.

The EO will have superior communication,
research, problem-solving, decision-making and inter-
personal skills. Applicants must have extensive knowl-
edge of the University of Alberta's policies, proce-
dures and operating requirements, substantial admin-
istrative or management experience in a university
setting and a strong background in volunteer admin-
istration. The successful candidate will have the ability
to work both independently and in a team setting, be
able to exercise a high degree of initiative and judg-
ment on a wide range of issues, and skills in building
productive and supportive working relationships. The
ideal candidate should possess an undergraduate
degree, have excellent computing skills and expertise
in planning large meetings, programs and special
events.

Please submit your résumé in confidence, includ-
ing a statement of the qualities and strengths you
bring to the position, and the names of three refer-
ences, no later than September 28, 2001, to:

Chancellor John Ferguson
The Senate
150 Assiniboia Hall
University of Alberta
Edmonton, AB.,
T6G 2E7
Phone: (780) 492-2268 Fax: (780) 492-2448

E-mail: john.ferguson@ualberta.ca

While only those selected for an interview will be
contacted, all applicants are thanked for their interest.

ASSOCIATE DIRECTOR OPERATIONS AND ENERGY MANAGEMENT FACILITIES MANAGEMENT

Facilities Management is responsible for opera-
tion, maintenance, and management of University of
Alberta facilities of a gross building area exceeding 8
million square feet with a value in the order of \$1.3
billion.

Reporting to the director, facilities management,
the associate director, operations & energy manage-
ment is an APO position responsible for the manage-
ment and activities of the operations and energy
management divisions.

Overall areas of responsibility include operation
of a 24-hour communications control centre; opera-
tion of all building heating, ventilating, and air-condi-
tioning systems; design, installation, operation, and
maintenance of access control and building automa-
tion control systems (over 15,000 control and moni-
toring points in over 65 buildings); planning, develop-
ment, design, and implementation of energy conserva-
tion measures; and commissioning of building sys-
tems.

This position is responsible for 36 staff, overall
management of an operating budget in the order of
\$1,750,000 and a capital budget in the order of \$6
million. Also responsible for development of short
and long-range plans to upgrade systems and facili-
ties, determining priorities, and preparation of fund-
ing requirements for infrastructure renewal and sys-
tems upgrading.

Strong organizational, managerial, and leader-
ship skills are required. Excellent communication,
interpersonal, and human relations skills, the ability to
interact with people in a professional manner, and a
strong commitment to customer service are also criti-
cal to this position.

Ideal candidates should have a B.Sc. in
Mechanical Engineering, be a Professional Engineer,
and have a minimum of 15 years of specific and
extensive experience in design and operation of
HVAC systems, building automation and access con-
trol systems, and planning and implementation of
energy conservation measures. The salary range for
this position is \$55,321 to \$87,591 per annum.

Submit résumés, and the names of at least three
references by October 1, 2001 to:

Facilities Management Personnel
420 General Services Building
University of Alberta
Edmonton, AB.,
T6G 2H1
Fax: (780) 492-7582

FINANCIAL ANALYST - RESEARCH AND TRUST ACCOUNTING FINANCIAL SERVICES

This is a full-time continuing administrative pro-
fessional officer position. The primary function of the
financial business analyst in the Research and Trust
Accounting Section of Financial Services is the effec-
tive financial administration of the university's
research and special purpose funds. This position will
provide day-to-day operational leadership and guid-
ance to the research and trust accounting depart-
ment within financial services and will be responsible
for the effective guidance and mentoring of 10 staff
members. This position provides research financial
advice and services to various clients both internal
and external to the university. The financial business
analyst will be responsible for day-to-day adminis-
tration of research accounting policies and procedures.
The financial business analyst will be responsible for
recommending and implementing departmental pol-
icy changes and procedural improvements in this
area, as well as maintaining a high level of services at
varying levels of university administration
(research/teaching/practice). The financial business
analyst will also be responsible for the timely and
accurate delivery of external agency financial report-
ing at an institutional level. This position is part of a
team of three financial business analysts who oversee
the day-to-day operations of the research and trust
accounting department. The position will also take
on some project work as assigned.

Qualified applicants should possess a profession-
al accounting designation coupled with a minimum
three years' related experience in a large organization.
A university business degree and related experience
will also be considered.

Necessary skills will include strong personal com-
puter applications skills in Microsoft Office Suite with
an emphasis on Excel and MS Access. Candidates will
require excellent, demonstrated supervisory skills, as
the opportunity for supervision within the unit does
exist. Strong organizational skills, excellent communi-
cation skills (written and oral) and strong business
process analytical skills are also required. The success-
ful candidate will be required to interact with staff
members at all levels of the organization and exercise
sound judgment and tact when providing service to a
wide variety of clients. A good working knowledge of
university research policies along with a working
knowledge of PeopleSoft Financials will be consid-



UNIVERSITY OF ALBERTA UNITED WAY 2001 CAMPAIGN



UNIVERSITY OF ALBERTA
2001 UNIVERSITY OF ALBERTA
UNITED WAY CAMPAIGN
OCTOBER 1 - NOVEMBER 16

A MESSAGE FROM PRESIDENT ROD FRASER

Thank you for your participation in our United Way Campaign last
year. As a valued staff member of our University, your generous support
contributed to the most successful Campaign in our history. Last year,
together we raised over \$365,000 for our community. This is a fantastic
achievement of which we should all be proud!

Our investment in United Way is making a difference, and I am
pleased that we will once again be putting our full support behind
this year's Campaign. Our new goal of \$375,000 illustrates our
strong commitment to the community.

Please take some time to think about your personal investment and
the positive impact it has on our community. You should also know that
you can direct any portion of your United Way gift to any registered
Canadian charity.

Thank you for joining me in supporting our 2001 United Way
Campaign on Campus and making our community a more caring,
vibrant place to live.

Sincerely,

Roderick D. Fraser, PhD
President

an uneasy

balance

MFA exhibits reach into our blurred past and present

By Gilbert A. Bouchard

As we walk through the Fine Arts Building Gallery, manager Blair Brennan lets me in on a secret. When hosting final presentation shows for students wrapping up their MFA studies, the gallery can't lose.

If the shows are similar, visitors to the two-storey exhibition hall are free to explore how two different artists interpret the same theme.

If the shows are different, viewers can contrast two interplays of craft and content produced by a duo of artists with relatively identical educational backgrounds, emerging simultaneously from the institutional crucible.

Then you have paired shows such as the one currently at the FAB Gallery that defy simple assessment and tantalize viewers with a subtle mingling of contrasting tropes and similar intellectual themes. The result is a push-pull virtual debate about the delicate mechanism by which we go about constructing pragmatic day-to-day realities.

Start with MFA Printmaking candidate Rebecca Beardmore's *Whisper* on the gallery's main floor.

Beardmore addresses the tricky idea of context, in particular how we endlessly and seamlessly shift between the literal, the figurative and the physical as we go about all aspects of daily life.

Her tact is to push the concept to its extreme, creating large "digitally emblazoned" pieces that juxtapose tightly packed rows of text, blurred, barely recognizable figures and physical

media that obscure more than they communicate. The final pieces are fascinating in that they present an aesthetically pleasing artistic whole, yet frustrate any attempt the viewer may have to "read" any one layer.

"The idea that any single layer cannot be relied upon for total coherency highlights the uneasy balance that exists between experience and understanding," she writes in her artistic statement. This tension between experience and understanding is all that more relevant in a culture flooded by a stream of mass media images that "ask little from us in regards to the deciphering of content."

Meanwhile on the second floor, Gareth Langley also explores the problems of cultural context and meaning in her show *Relics Retained*. Langley explores the significance we pack onto objects – "memories inspired by a catalyst."

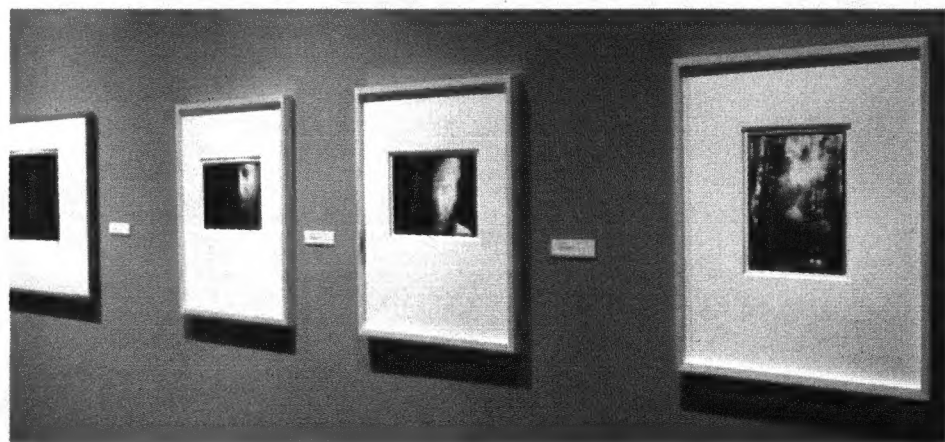
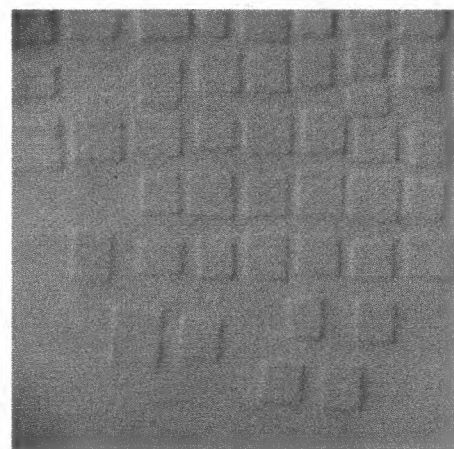
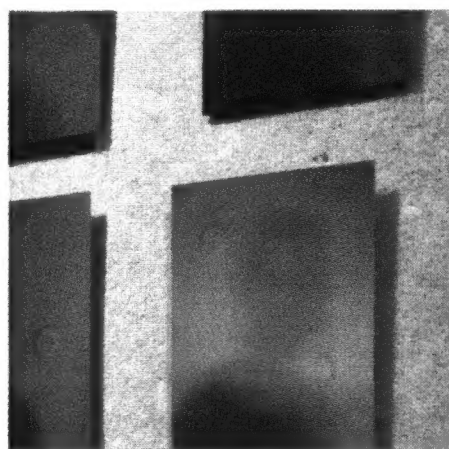
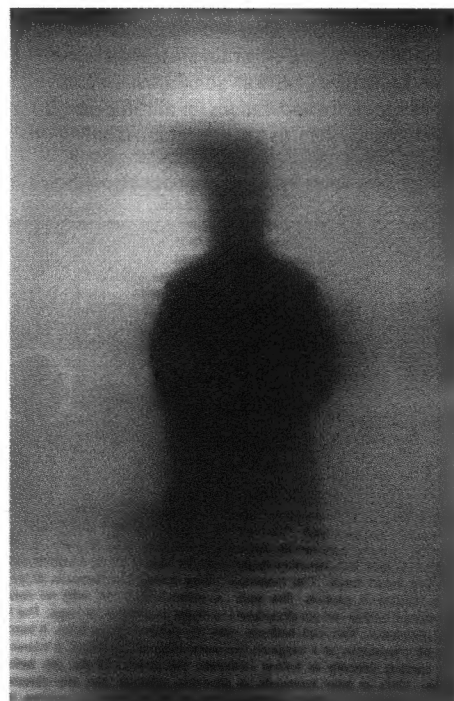
The 25-year-old artist creates a series of surreal two-dimensional shadow boxes on which she prints strange little "interior landscapes" and depictions of murky little sea creatures. The intent is to underline how collected and saved objects are repositories of memories (in effect miniature "memory landscapes") and how these objects also refer back to the referential context they were plucked from.

Originally from Halifax and "very much a product of that culture" Langley's pieces underline the specificity of the ocean landscape and how one reacts to it, especially in hindsight. For Langley there's a complex mass of emotions associated with the ocean, "a sub-

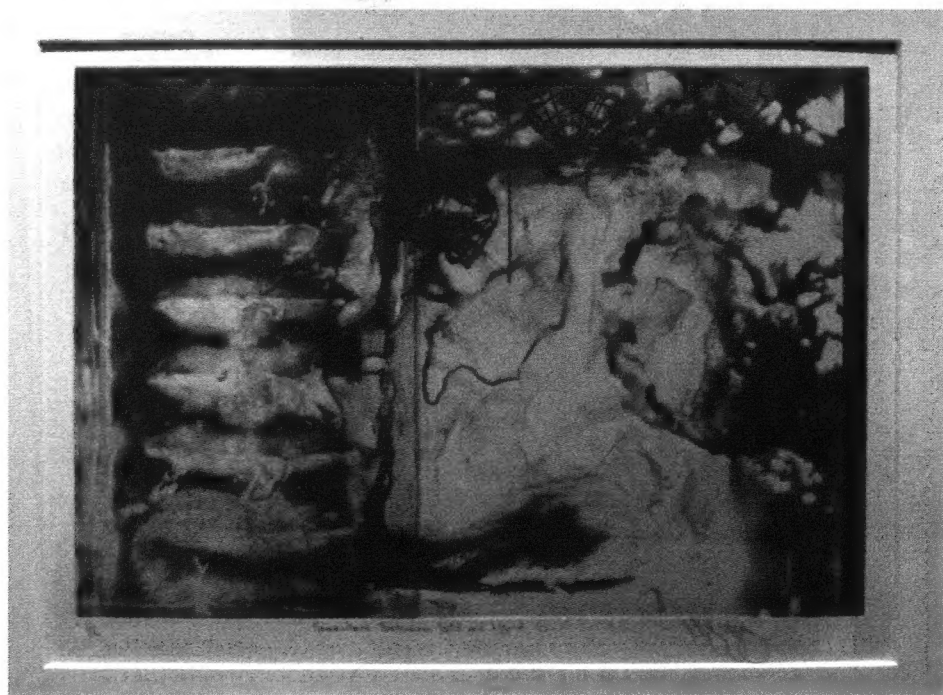
lime feeling and a mix of attraction and fear, encompassing so many deaths, so much hidden under there." This complexity is neutralized when reduced to tiny objects taken from the waves for memory-based collections that become present only in the absence of their source.

In that way her project is very similar to her favourite author: fellow Nova Scotian Alistair MacLeod, author of *No Great Mischief*, a rollicking family-based memory novel stretching back to the Scottish highlands of 1779.

"I long for that culture, especially as I read MacLeod's book and contemplate the coming and going, the past and present of my home," she concludes. "In the end this work was inspired by my having left." ■



Photos: Jason B. Symington



The Fine Arts Building Gallery is hosting two exhibits by MFA printmaking students. Gareth Langley's *Relics retained* and Rebecca Beardmore's *whisper* run until Sept. 23. Gallery hours are 10 a.m. – 5 p.m. Tuesday to Friday and 2 – 5 p.m. Sunday (closed Monday, Saturday and statutory holidays). The FAB Gallery is located at the Fine Arts Building, 89 Ave. and 112 Street.

folio **back**
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